Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052516\
Data File : BF087376.D
Acq On : 25 May 2016 17:18
Operator : UM/SJ
Sample : H3218-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-4(12.5-13)

Quant Time: May 25 22:29:41 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 16:26:52 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	109135	20.00	ng		0.00
21) Naphthalene-d8	9.54	136	429308	20.00	ng		-0.01
38) Acenaphthene-d10	12.38	164	188242	20.00	ng		-0.01
63) Phenanthrene-d10	14.78	188	289929	20.00	ng		0.00
75) Chrysene-d12	18.47	240	225141	20.00	ng		-0.01
86) Perylene-d12	20.14	264	186202	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.43	112	949536	152.88	ng		0.01
7) Phenol-d6	7.06	99	1204659	143.54	ng		-0.01
23) Nitrobenzene-d5	8.43	82	750698	88.13	ng		-0.01
41) 2,4,6-Tribromophenol	13.67	330	215326	119.03	ng		-0.01
44) 2-Fluorobiphenyl	11.32	172	949942	71.14	ng		-0.01
78) Terphenyl-d14	17.13	244	659726	62.30	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	1.64	88	57984	17.69	ng	#	22
15) Benzyl Alcohol	7.75	79	13423	2.19	ng	#	44
19) n-Nitroso-di-n-propylamine	8.43	70	107415	17.16	ng	#	75
31) Naphthalene	9.58	128	430735	20.02	ng		99
32) Benzoic acid	9.58	122	898	6.06	ng	#	1
37) 2-Methylnaphthalene	10.71	142	111373	8.29	ng		97
45) 1,1'-Biphenyl	11.47	154	135843	8.57	ng		98
48) Acenaphthylene	12.15	152	114817	5.98	ng	#	90
49) Dimethylphthalate	12.02	163	419326	27.81	ng		100
51) Acenaphthene	12.43	154	527725	44.73	ng		97
54) Dibenzofuran	12.72	168	86394	5.41	ng		93
55) 4-Nitrophenol	12.80	139	6645	4.47	ng	#	49
57) Fluorene	13.27	166	353706	25.53	ng		99
70) Phenanthrene	14.82	178	1663656	103.59	ng		99
71) Anthracene	14.90	178	517382	31.89	ng		99
72) Carbazole	15.19	167	30825	2.23	ng	#	90
74) Fluoranthene	16.57	202	567699	35.25	ng		98
77) Pyrene	16.88	202	801248	49.44	ng		99
80) Benzo(a)anthracene	18.50	228	213525	16.67	ng		96
82) Chrysene	18.50	228	213525	16.80	ng		98
85) Indeno(1,2,3-cd)pyrene	21.37	276	52107	5.11	ng	#	90
87) Benzo(b)fluoranthene	19.74	252	201066	16.95	ng		97
88) Benzo(k)fluoranthene	19.74	252	201066	19.69	ng		98
89) Benzo(a)pyrene	20.08	252	157777	15.38	ng		98
91) Benzo(g,h,i)perylene	21.73	276	54797	6.35	ng		93

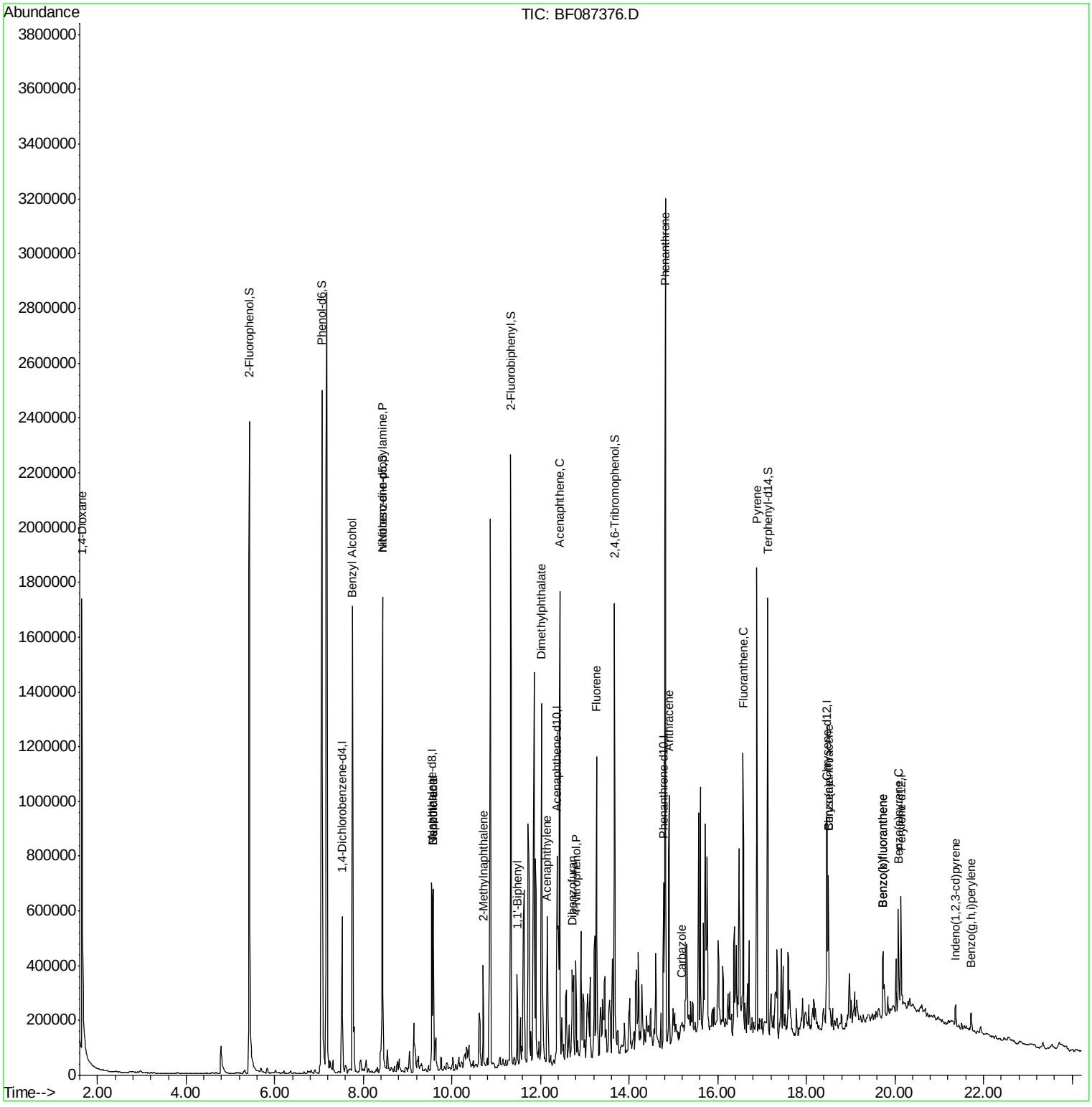
(#) = qualifier out of range (m) = manual integration (+) = signals summed

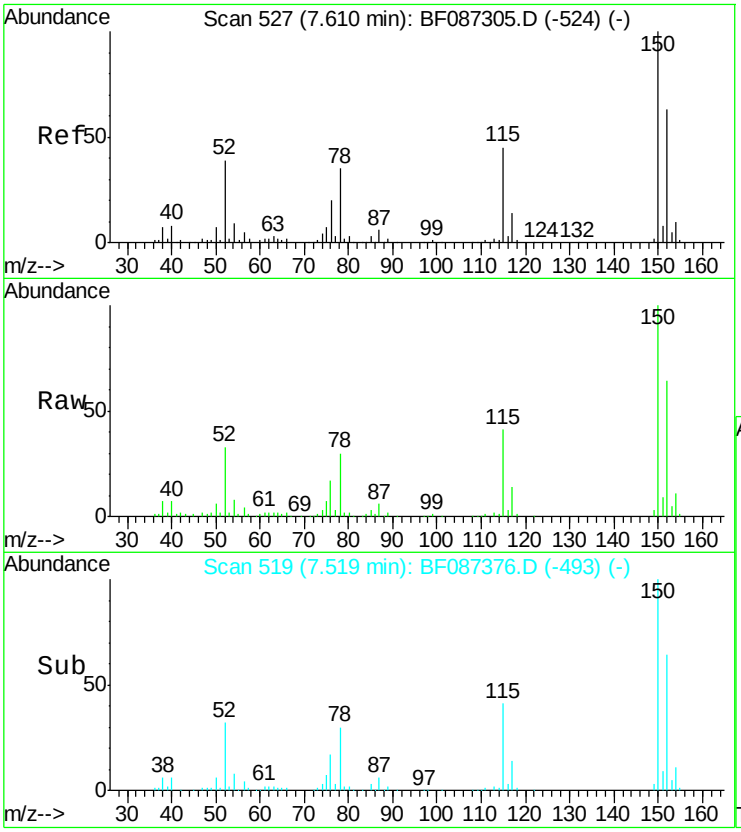
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052516\
Data File : BF087376.D
Acq On : 25 May 2016 17:18
Operator : UM/SJ
Sample : H3218-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E-4(12.5-13)

Quant Time: May 25 22:29:41 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 25 16:26:52 2016
Response via : Initial Calibration



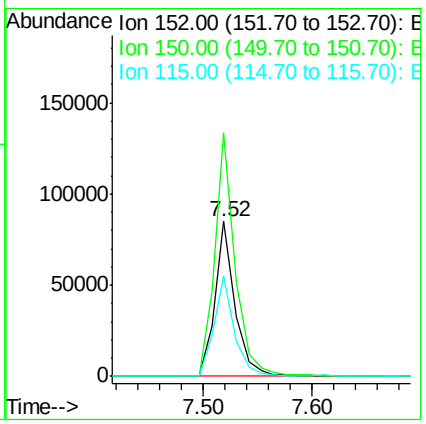


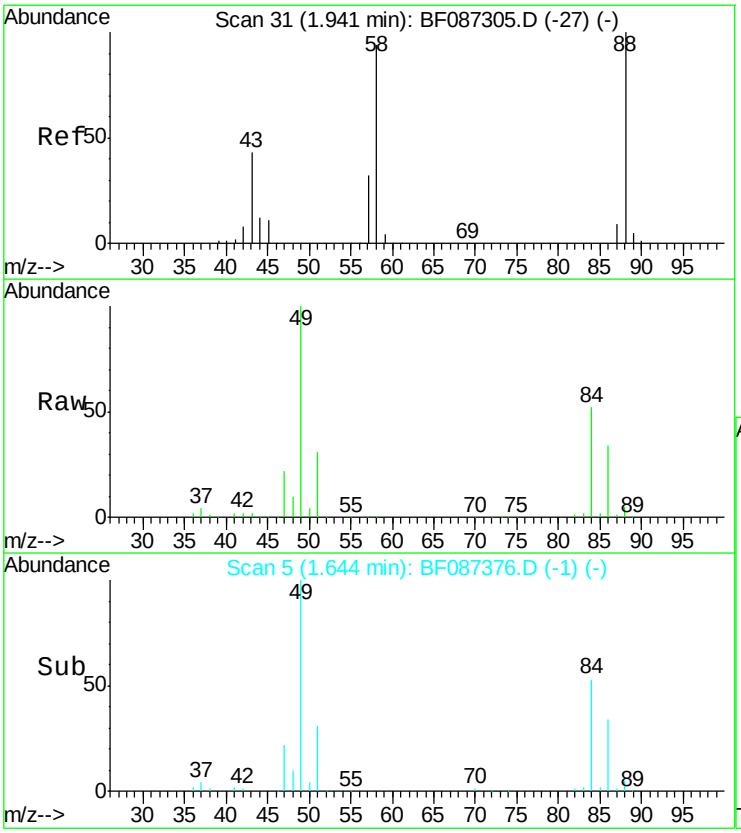
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.52 min Scan# 519
Delta R.T. 0.00 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Instrument :
BNA_F
ClientSampleId :
E-4(12.5-13)

Tgt Ion:152 Resp: 109135

Ion	Ratio	Lower	Upper
152	100		
150	156.9	125.8	188.6
115	65.0	51.5	77.3

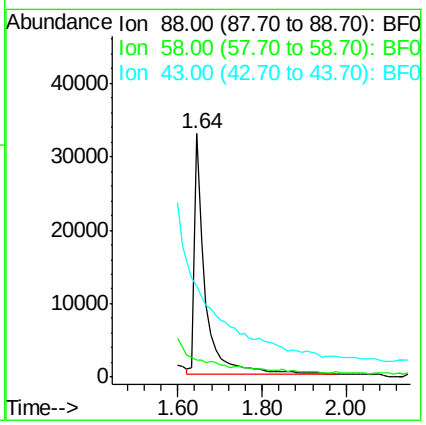


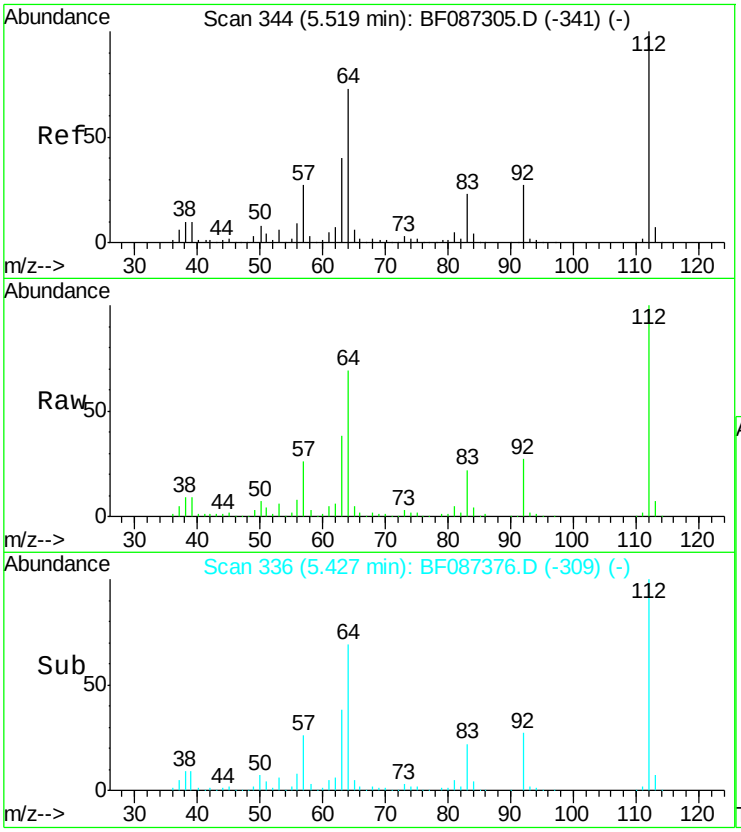


#2
1,4-Dioxane
Concen: 17.69 ng
RT: 1.64 min Scan# 5
Delta R.T. -0.17 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Tgt Ion: 88 Resp: 57984

Ion	Ratio	Lower	Upper
88	100		
58	0.0	59.6	89.4#
43	0.0	21.8	32.6#



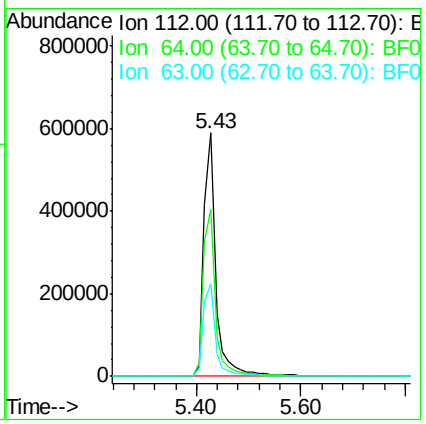


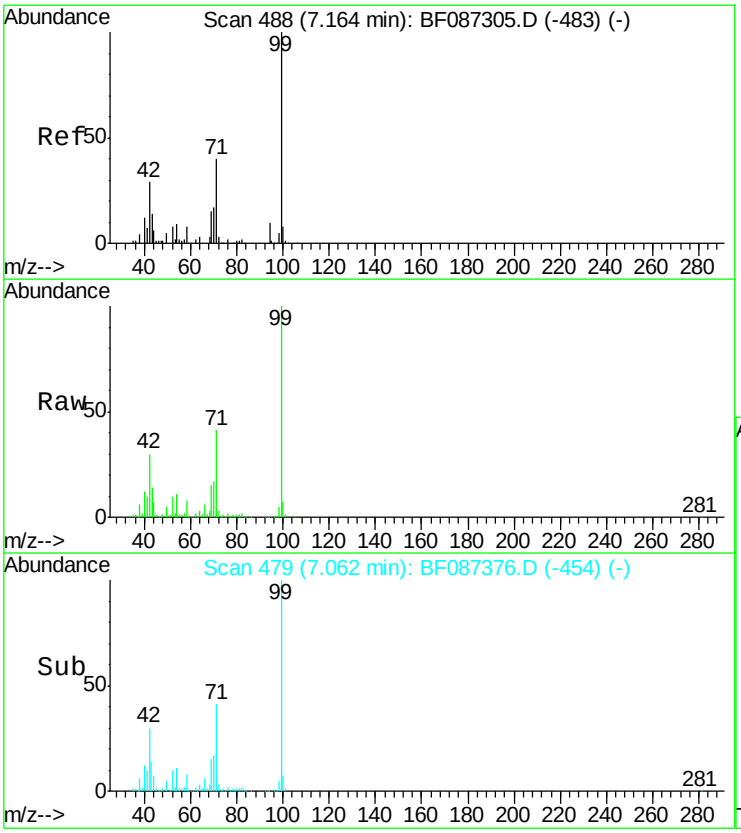
#5
2-Fluorophenol
Concen: 152.88 ng
RT: 5.43 min Scan# 336
Delta R.T. 0.01 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Instrument :
BNA_F
ClientSampleId :
E-4(12.5-13)

Tgt Ion:112 Resp: 949536

Ion	Ratio	Lower	Upper
112	100		
64	68.7	52.1	78.1
63	37.9	25.7	38.5

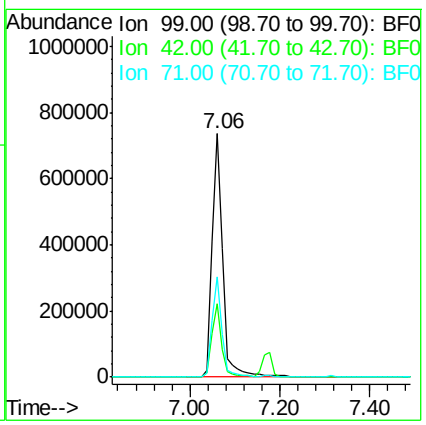


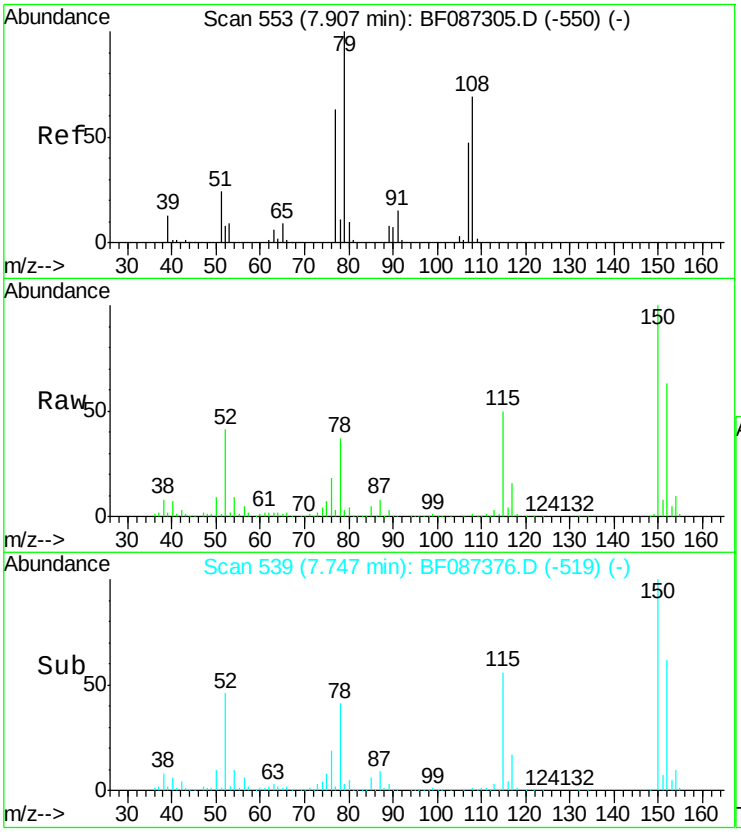


#7
Phenol-d6
Concen: 143.54 ng
RT: 7.06 min Scan# 479
Delta R.T. -0.01 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Tgt Ion: 99 Resp: 1204659

Ion	Ratio	Lower	Upper
99	100		
42	30.2	13.6	20.4#
71	41.4	24.6	36.8#



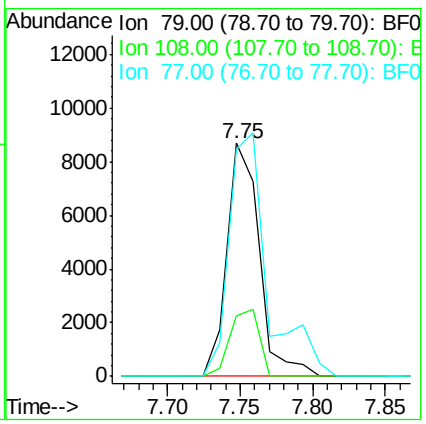


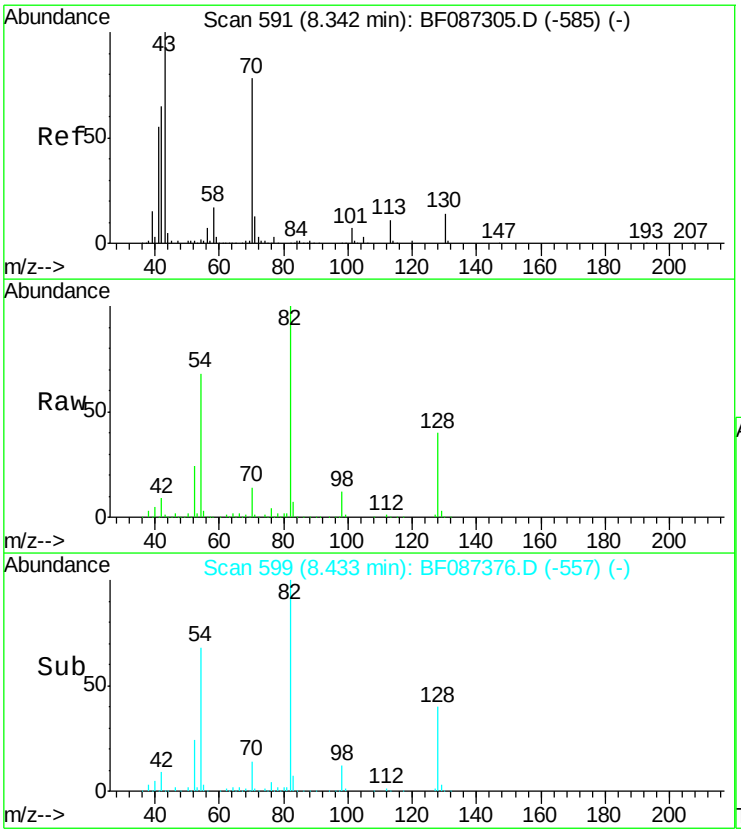
#15
Benzyl Alcohol
Concen: 2.19 ng
RT: 7.75 min Scan# 539
Delta R.T. -0.07 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Instrument :
BNA_F
ClientSampleId :
E-4(12.5-13)

Tgt Ion: 79 Resp: 13423

Ion	Ratio	Lower	Upper
79	100		
108	26.0	68.4	102.6#
77	97.3	50.6	76.0#

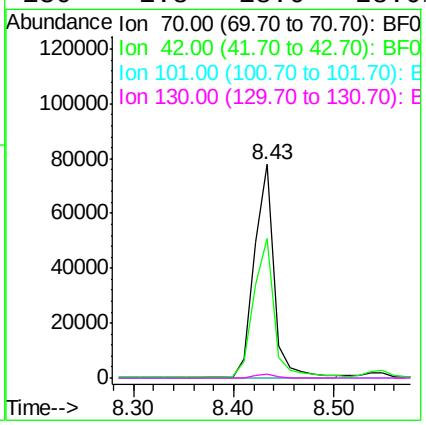


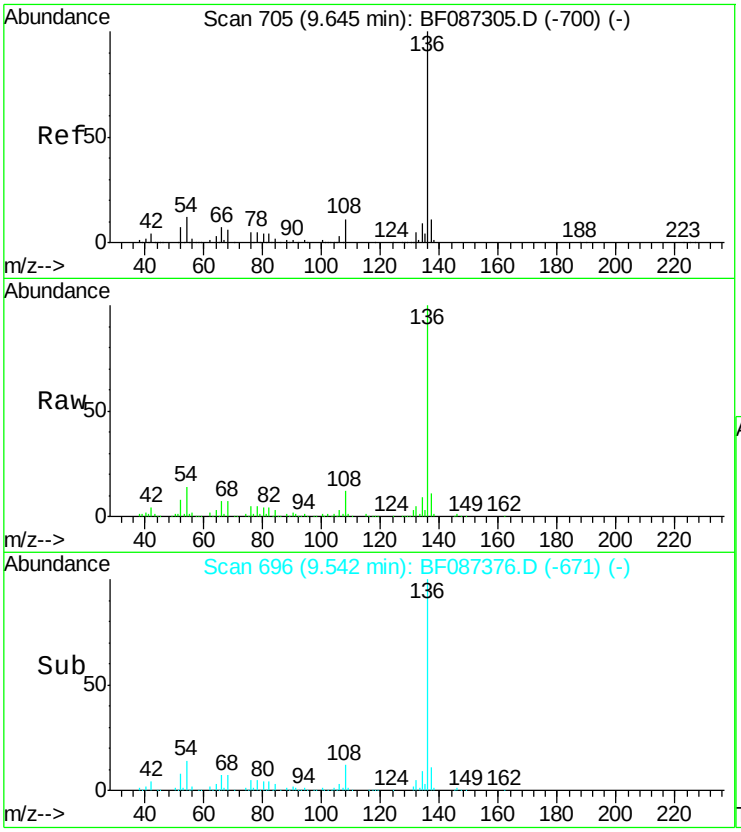


#19
n-Nitroso-di-n-propylamine
Concen: 17.16 ng
RT: 8.43 min Scan# 599
Delta R.T. 0.18 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Tgt Ion: 70 Resp: 107415

Ion	Ratio	Lower	Upper
70	100		
42	65.3	43.1	64.7#
101	0.0	8.1	12.1#
130	1.8	18.6	28.0#



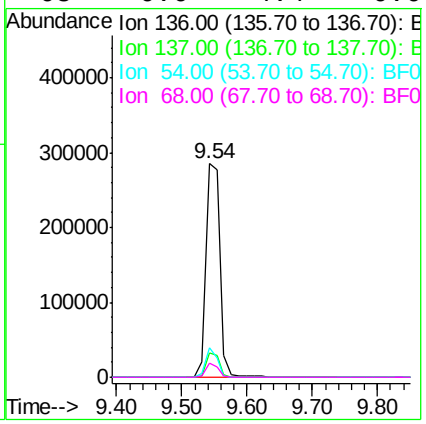


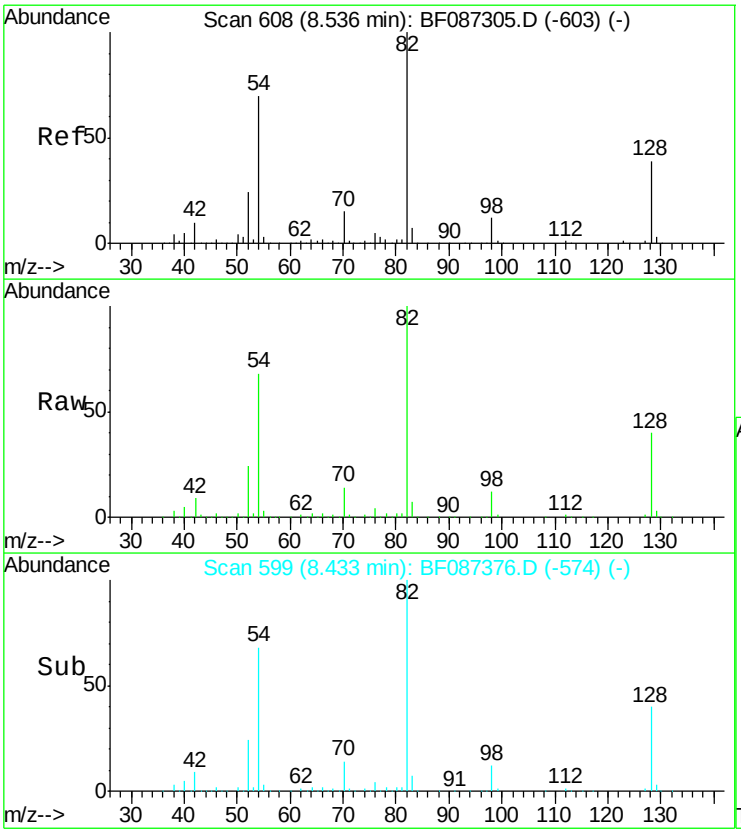
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.01 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Instrument :
BNA_F
ClientSampleId :
E-4(12.5-13)

Tgt Ion:136 Resp: 429308

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	13.6	5.0	7.4#
68	6.6	4.4	6.6

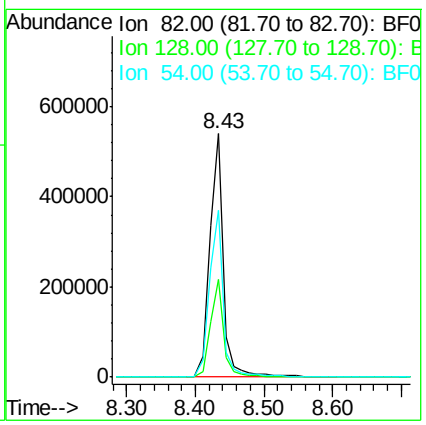


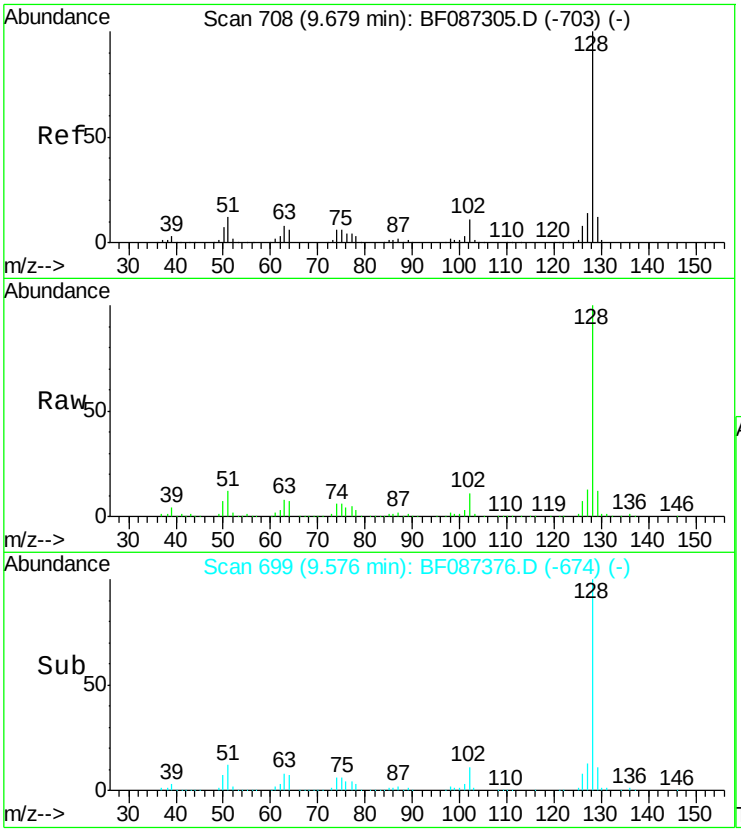


#23
Nitrobenzene-d5
Concen: 88.13 ng
RT: 8.43 min Scan# 599
Delta R.T. -0.01 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Tgt Ion: 82 Resp: 750698

Ion	Ratio	Lower	Upper
82	100		
128	40.0	40.6	61.0#
54	68.3	38.1	57.1#



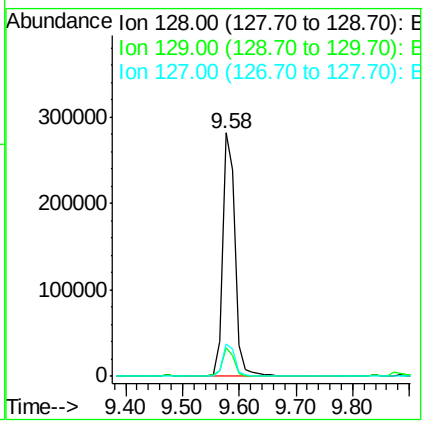


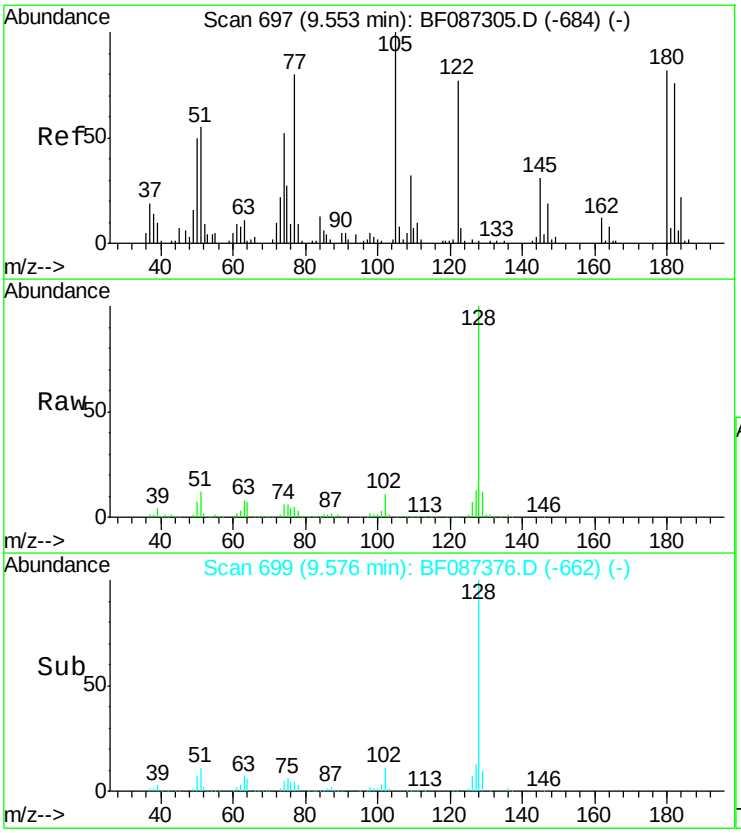
#31
Naphthalene
Concen: 20.02 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.01 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Instrument :
BNA_F
ClientSampleId :
E-4(12.5-13)

Tgt Ion:128 Resp: 430735

Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.6	13.0
127	13.1	10.8	16.2

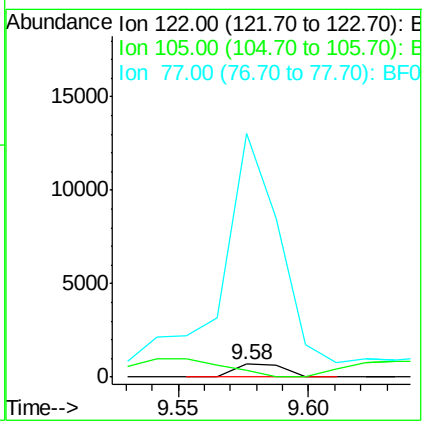


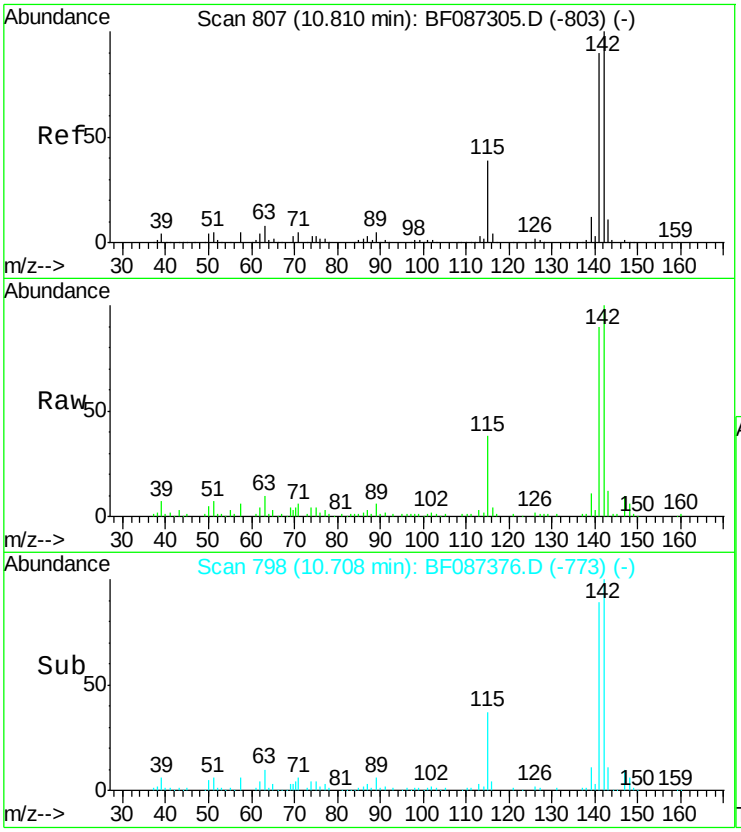


#32
Benzoic acid
Concen: 6.06 ng
RT: 9.58 min Scan# 699
Delta R.T. 0.13 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Tgt Ion:122 Resp: 898

Ion	Ratio	Lower	Upper
122	100		
105	54.8	92.6	132.6#
77	1912.9	60.0	100.0#



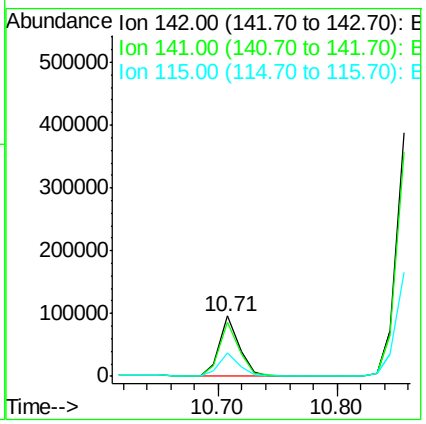


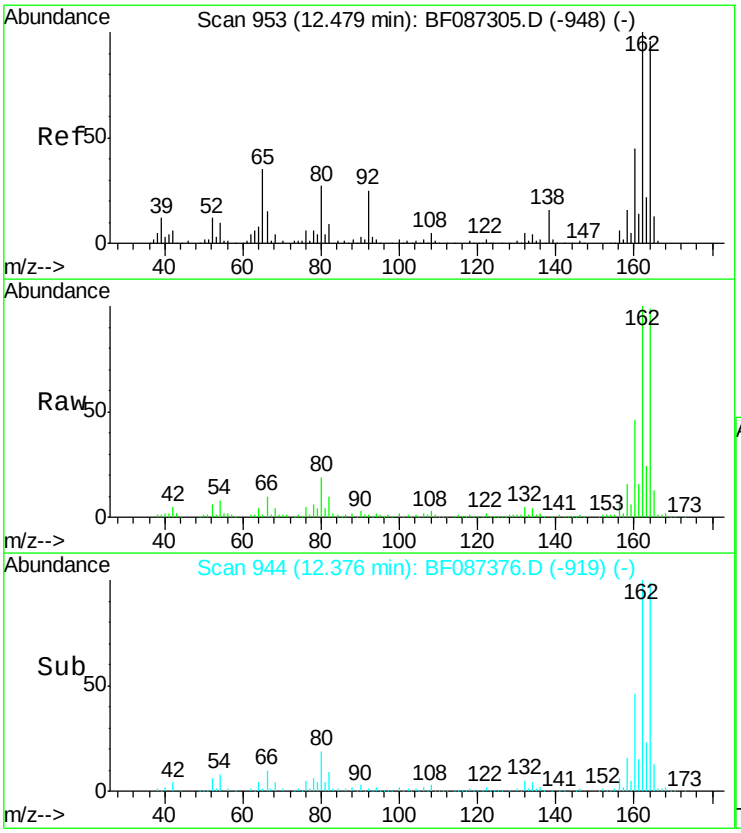
#37
2-Methylnaphthalene
Concen: 8.29 ng
RT: 10.71 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Instrument :
BNA_F
ClientSampleId :
E-4(12.5-13)

Tgt Ion:142 Resp: 111373

Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.0	106.6
115	38.4	26.6	39.8

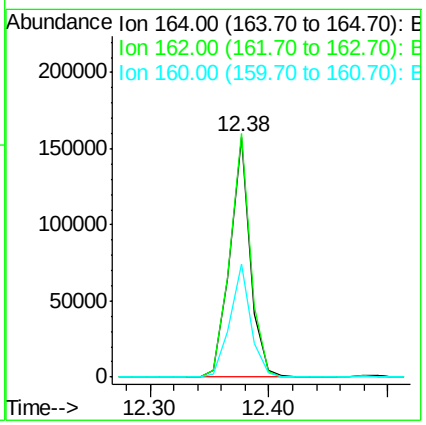


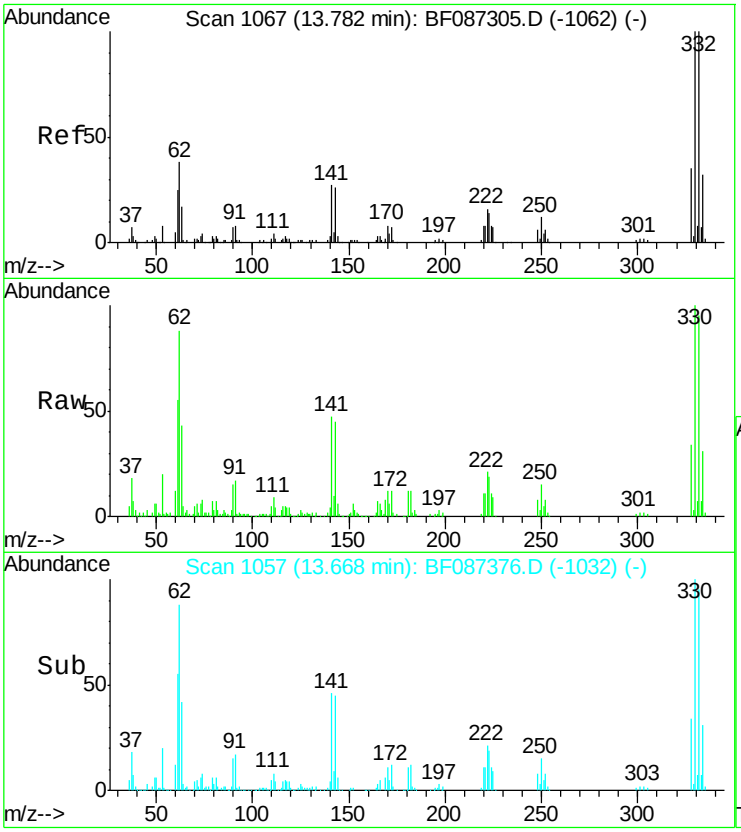


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 12.38 min Scan# 944
Delta R.T. -0.01 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Tgt Ion:164 Resp: 188242

Ion	Ratio	Lower	Upper
164	100		
162	101.4	82.8	124.2
160	46.9	36.9	55.3



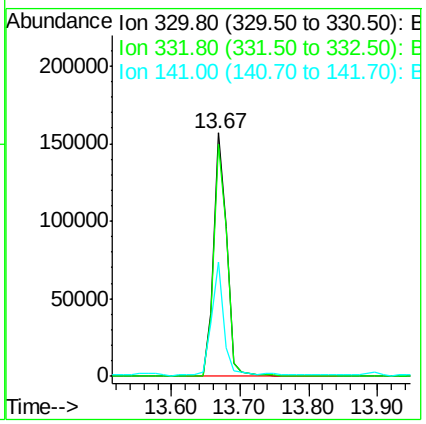


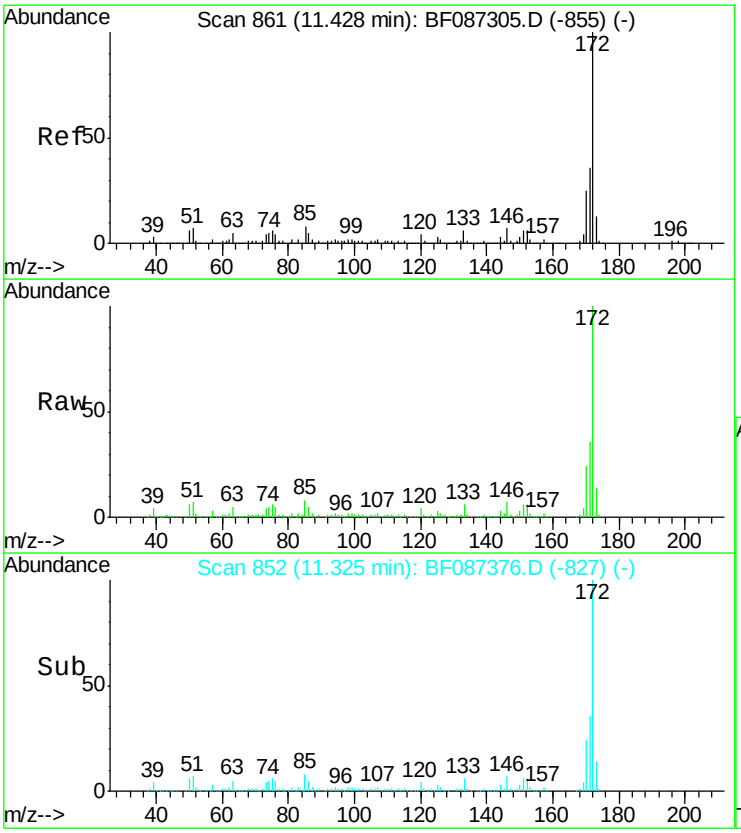
#41
2,4,6-Tribromophenol
Concen: 119.03 ng
RT: 13.67 min Scan# 1057
Delta R.T. -0.01 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Instrument :
BNA_F
ClientSampleId :
E-4(12.5-13)

Tgt Ion:330 Resp: 215326

Ion	Ratio	Lower	Upper
330	100		
332	96.3	79.0	118.4
141	42.4	31.2	46.8

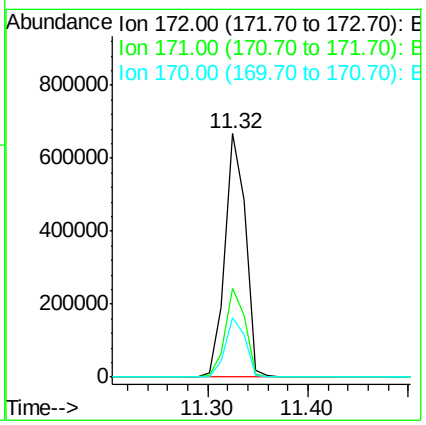


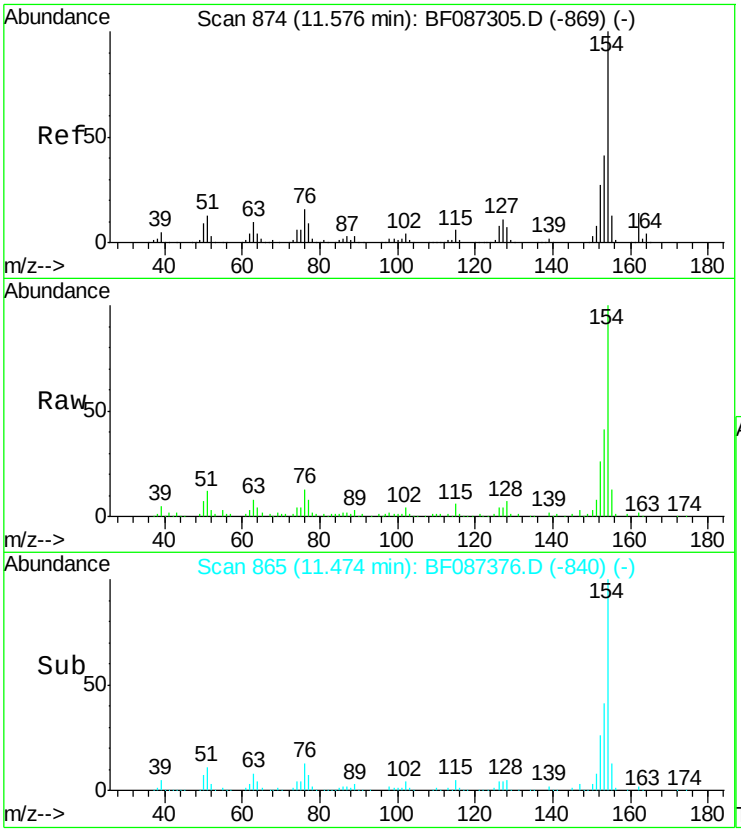


#44
2-Fluorobiphenyl
Concen: 71.14 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Tgt Ion:172 Resp: 949942

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.0	43.6
170	24.3	19.8	29.8



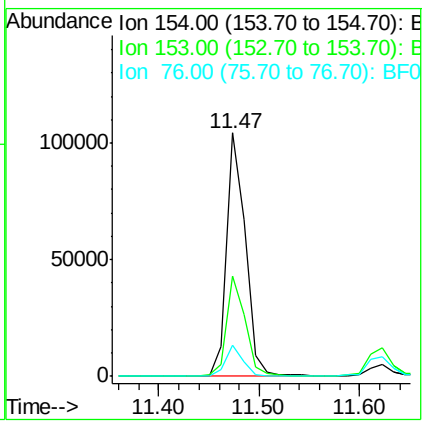


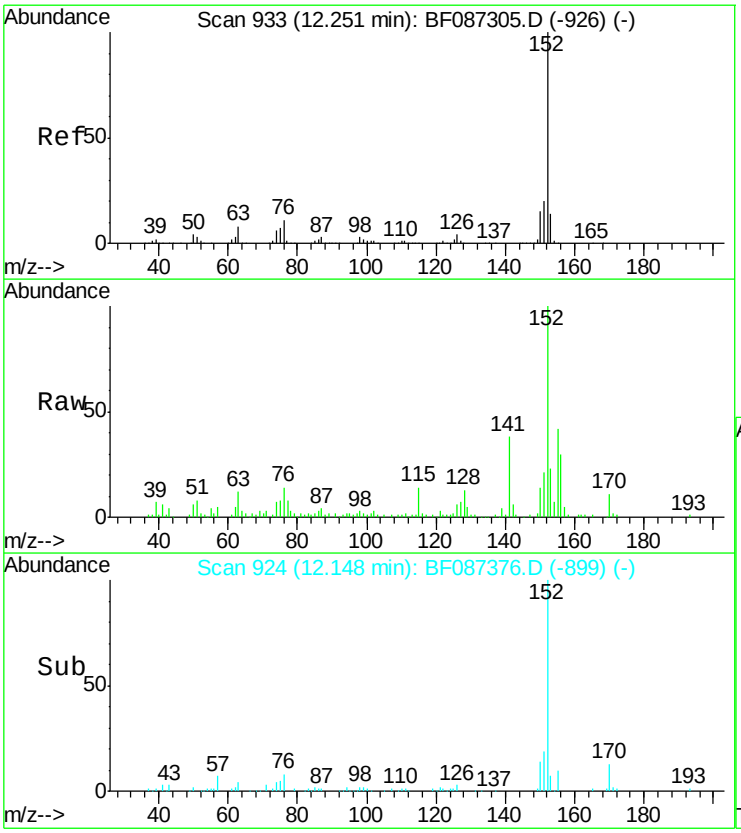
#45
1,1'-Biphenyl
Concen: 8.57 ng
RT: 11.47 min Scan# 865
Delta R.T. -0.01 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Instrument :
BNA_F
ClientSampleId :
E-4(12.5-13)

Tgt Ion:154 Resp: 135843

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.3	60.3
76	12.9	0.0	30.2

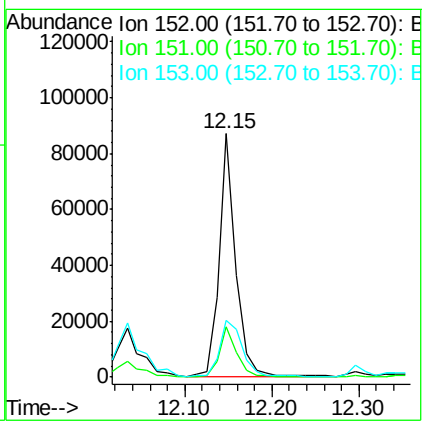


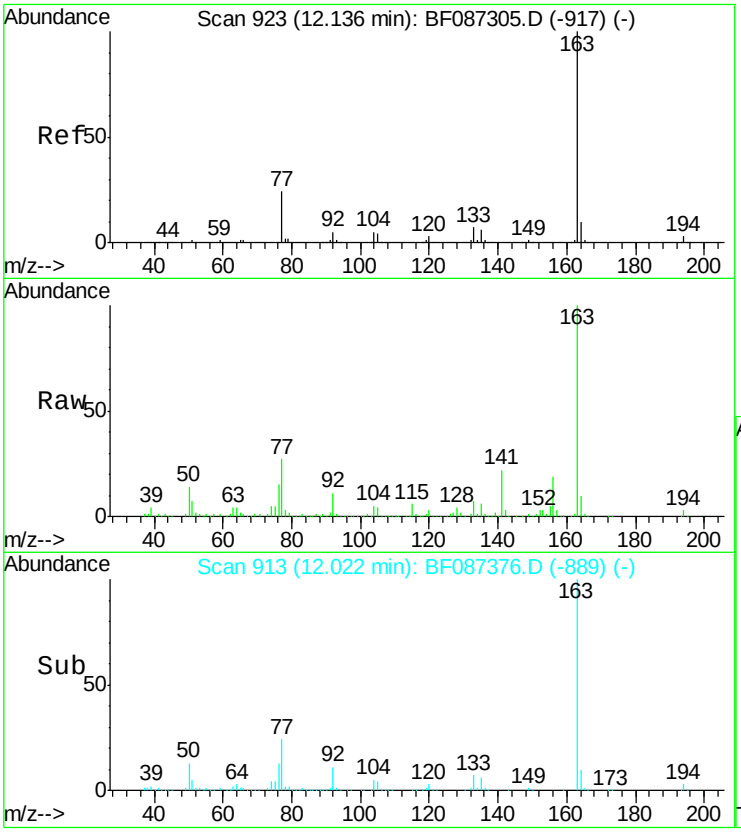


#48
Acenaphthylene
Concen: 5.98 ng
RT: 12.15 min Scan# 924
Delta R.T. -0.01 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Tgt Ion:152 Resp: 114817

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.8	25.2
153	23.3	10.9	16.3#



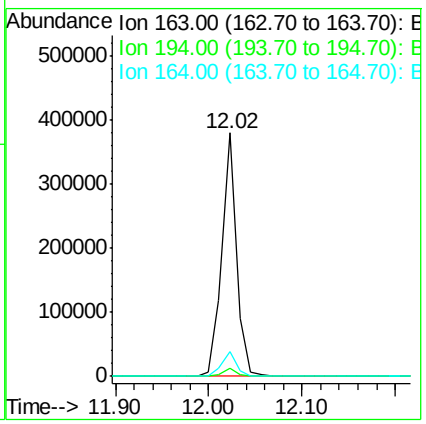


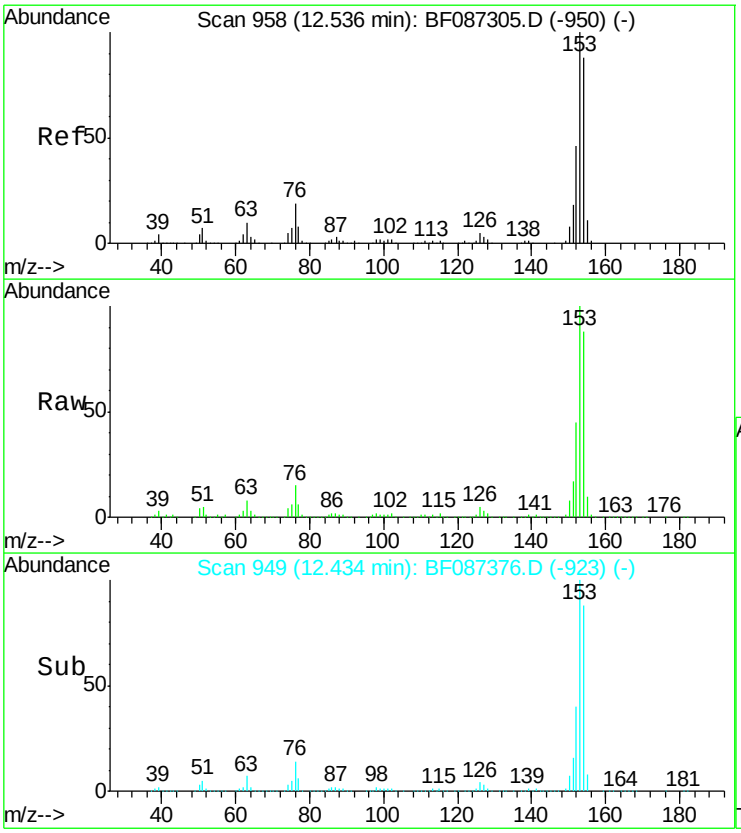
#49
Dimethylphthalate
Concen: 27.81 ng
RT: 12.02 min Scan# 913
Delta R.T. -0.02 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Instrument :
BNA_F
ClientSampleId :
E-4(12.5-13)

Tgt Ion:163 Resp: 419326

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	10.2	8.2	12.4

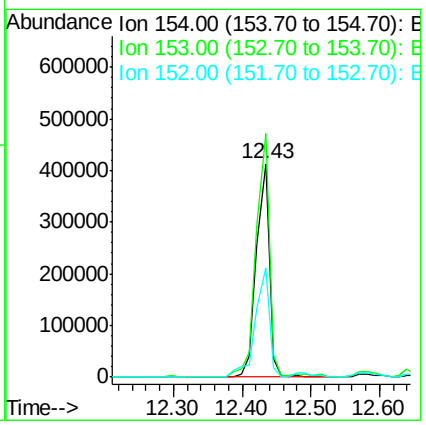


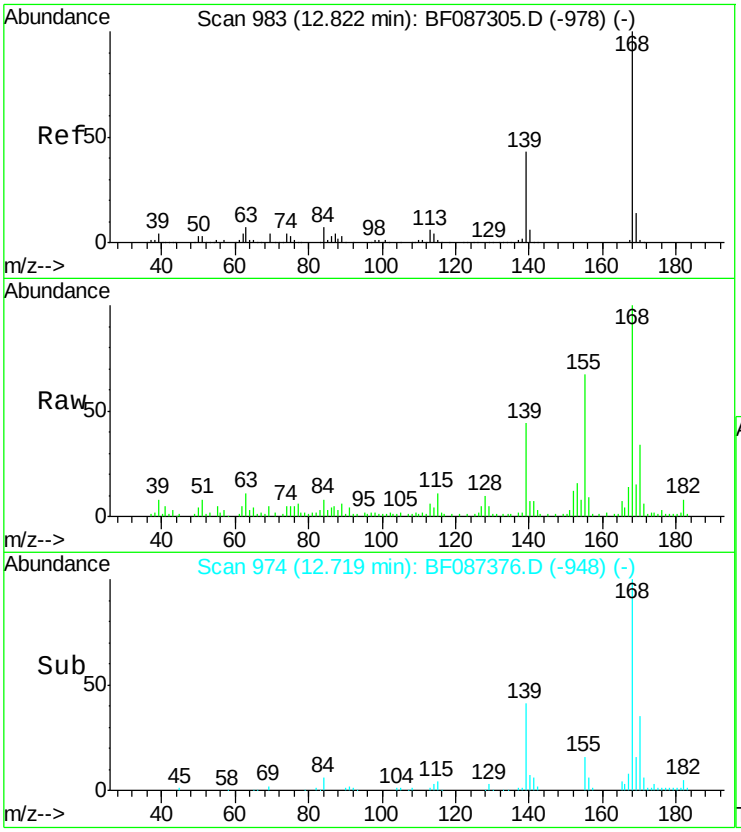


#51
Acenaphthene
Concen: 44.73 ng
RT: 12.43 min Scan# 949
Delta R.T. 0.00 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Tgt Ion:154 Resp: 527725

Ion	Ratio	Lower	Upper
154	100		
153	114.3	89.8	134.6
152	51.5	43.4	65.0



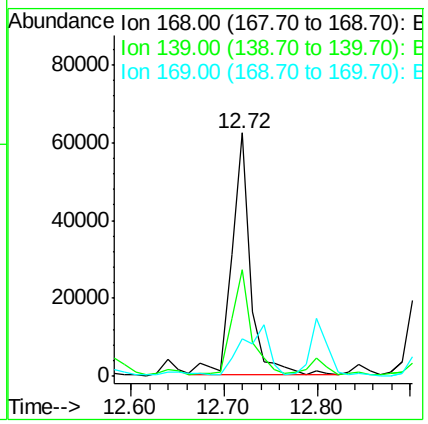


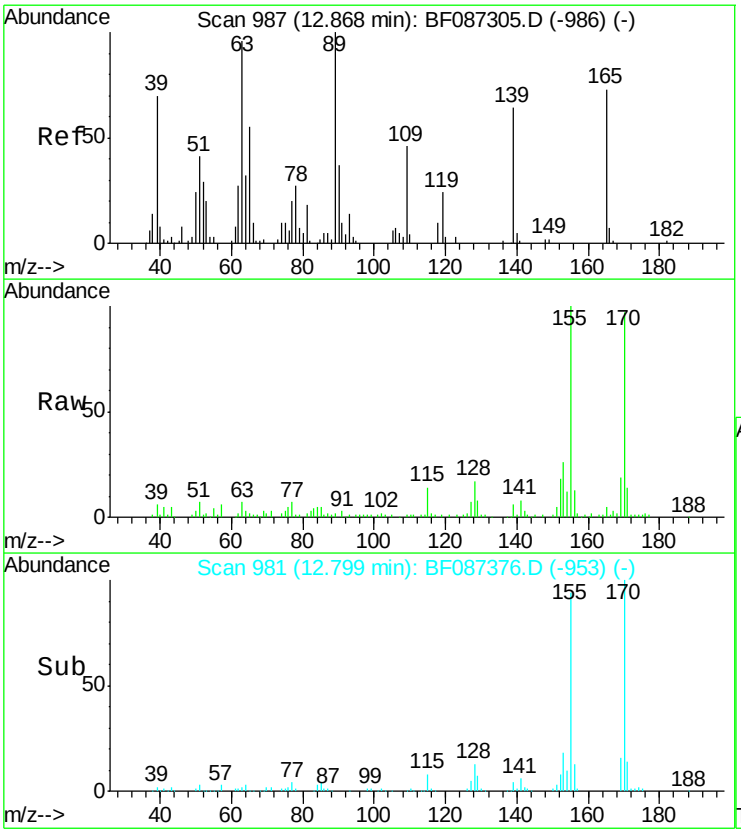
#54
Dibenzofuran
Concen: 5.41 ng
RT: 12.72 min Scan# 974
Delta R.T. 0.00 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Instrument :
BNA_F
ClientSampleId :
E-4(12.5-13)

Tgt Ion:168 Resp: 86394

Ion	Ratio	Lower	Upper
168	100		
139	44.0	31.4	47.0
169	15.3	10.7	16.1

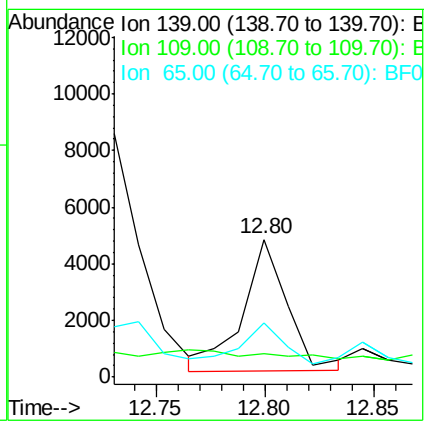


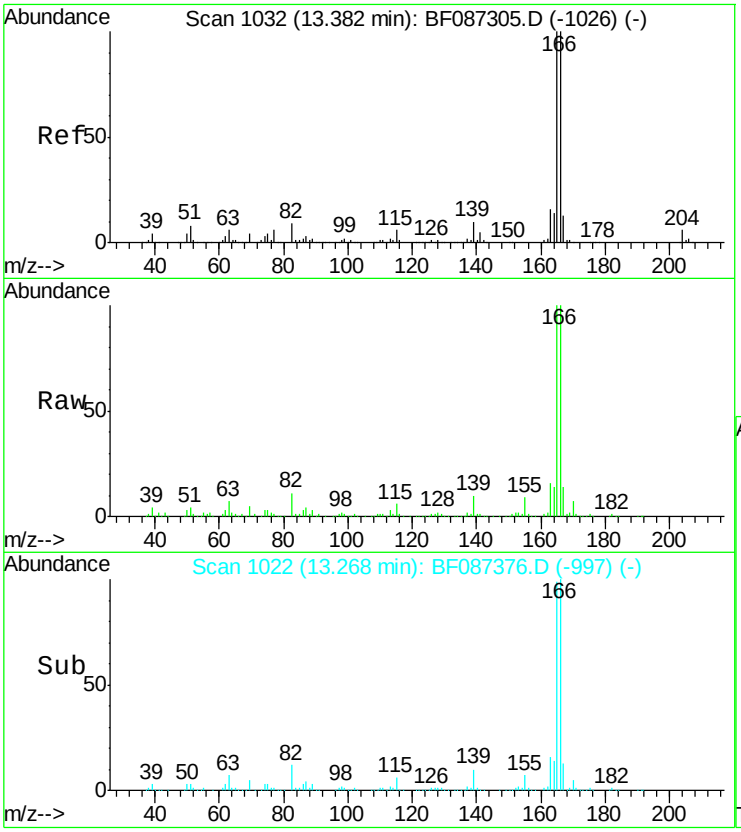


#55
4-Nitrophenol
Concen: 4.47 ng
RT: 12.80 min Scan# 981
Delta R.T. 0.02 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Tgt Ion:139 Resp: 6645

Ion	Ratio	Lower	Upper
139	100		
109	17.1	36.9	76.9#
65	38.9	64.0	104.0#



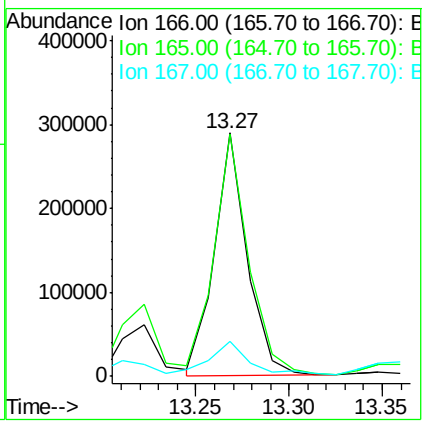


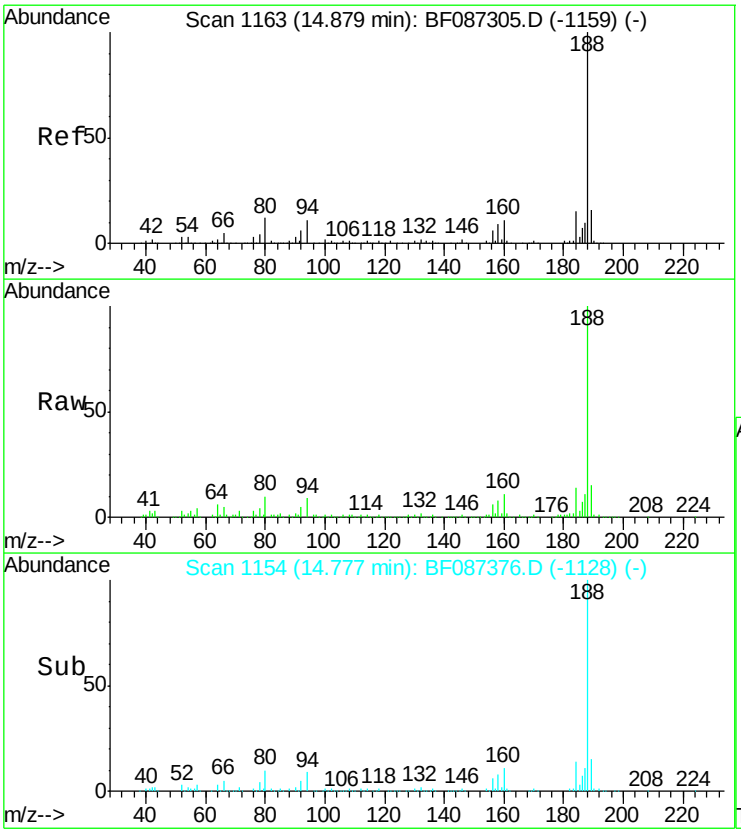
#57
Fluorene
Concen: 25.53 ng
RT: 13.27 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Instrument :
BNA_F
ClientSampleId :
E-4(12.5-13)

Tgt Ion:166 Resp: 353706

Ion	Ratio	Lower	Upper
166	100		
165	99.8	79.0	118.6
167	14.1	10.6	15.8

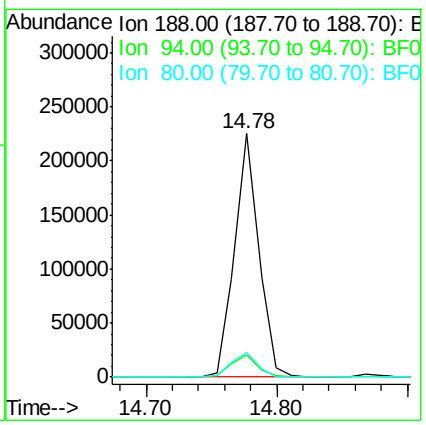


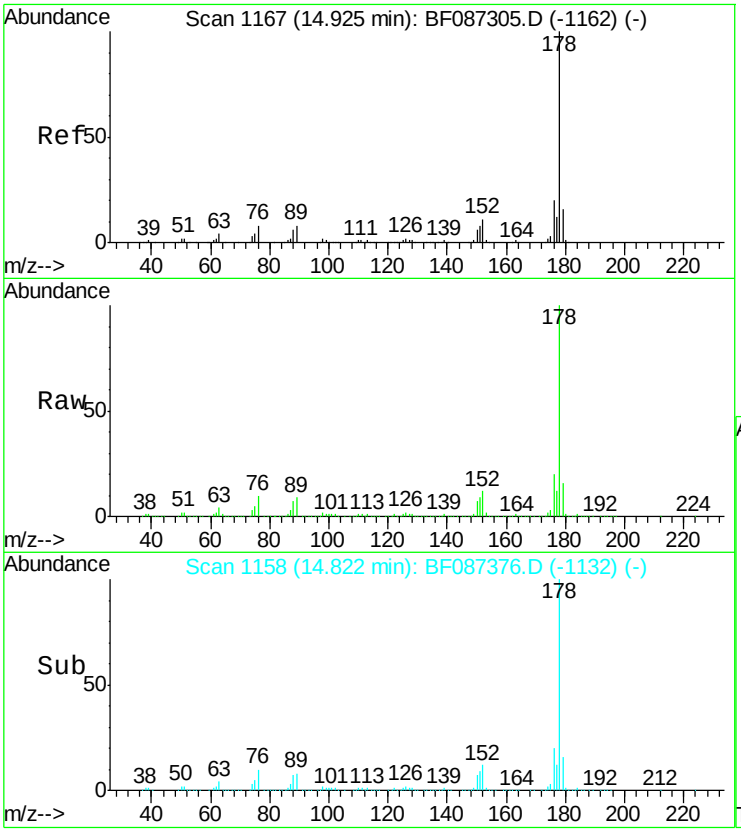


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 14.78 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Tgt Ion:188 Resp: 289929

Ion	Ratio	Lower	Upper
188	100		
94	9.4	6.8	10.2
80	10.0	7.1	10.7



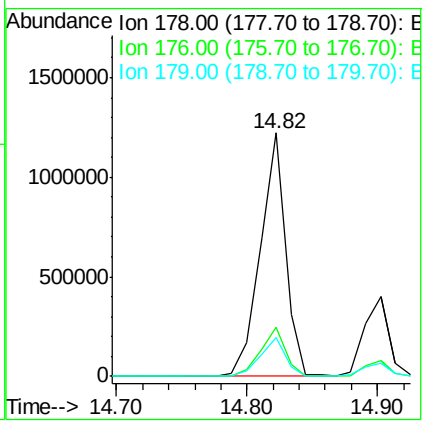


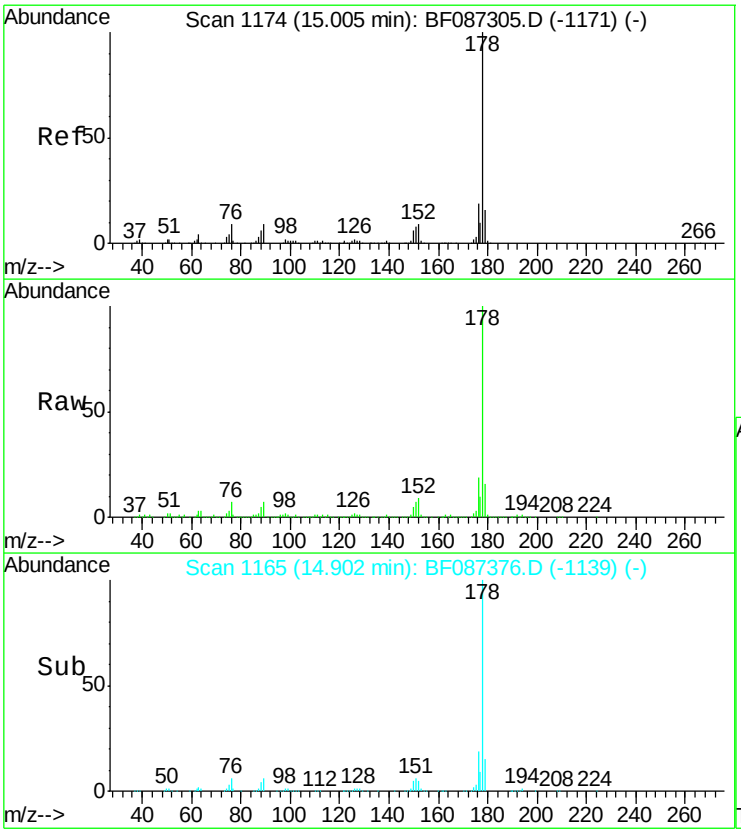
#70
Phenanthrene
Concen: 103.59 ng
RT: 14.82 min Scan# 1158
Delta R.T. 0.00 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Instrument :
BNA_F
ClientSampleId :
E-4(12.5-13)

Tgt Ion:178 Resp: 1663656

Ion	Ratio	Lower	Upper
178	100		
176	20.3	16.0	24.0
179	16.0	12.6	18.8

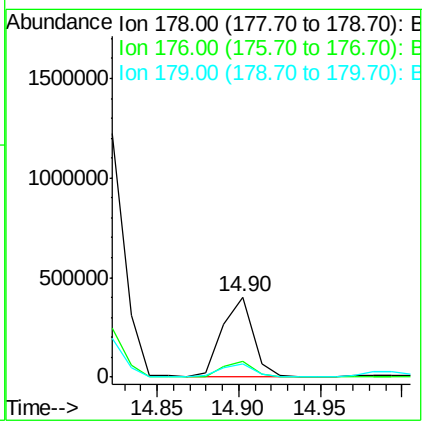


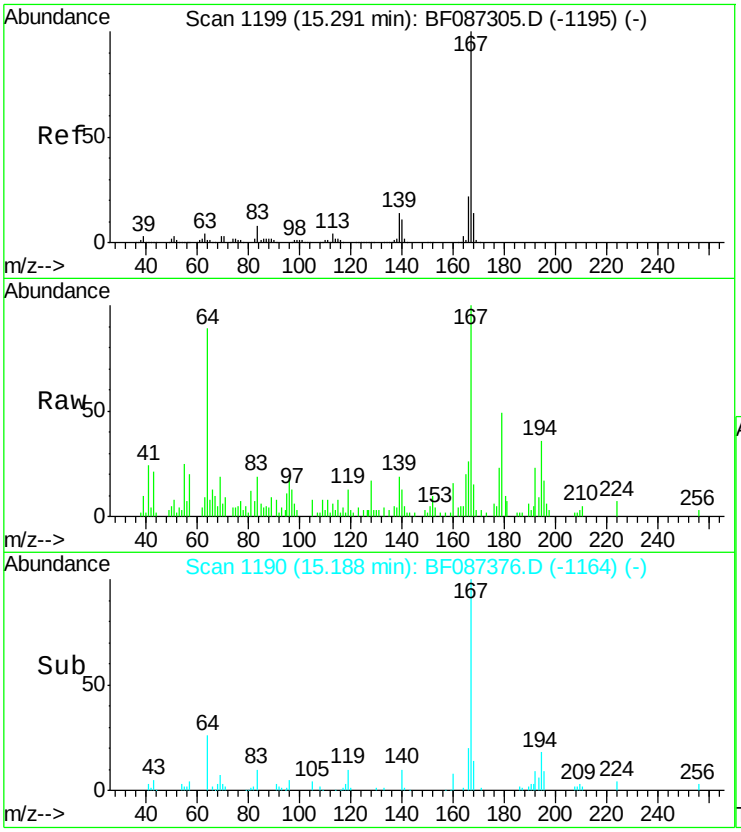


#71
Anthracene
Concen: 31.89 ng
RT: 14.90 min Scan# 1165
Delta R.T. 0.00 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Tgt Ion:178 Resp: 517382

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.6	23.4
179	16.2	12.7	19.1



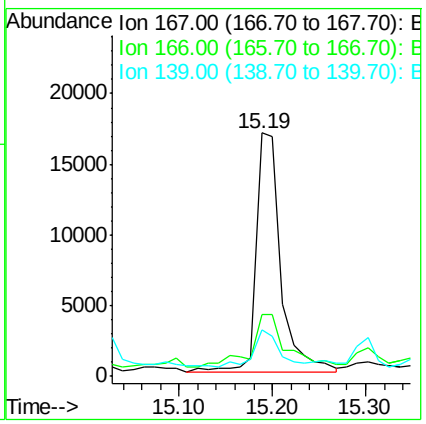


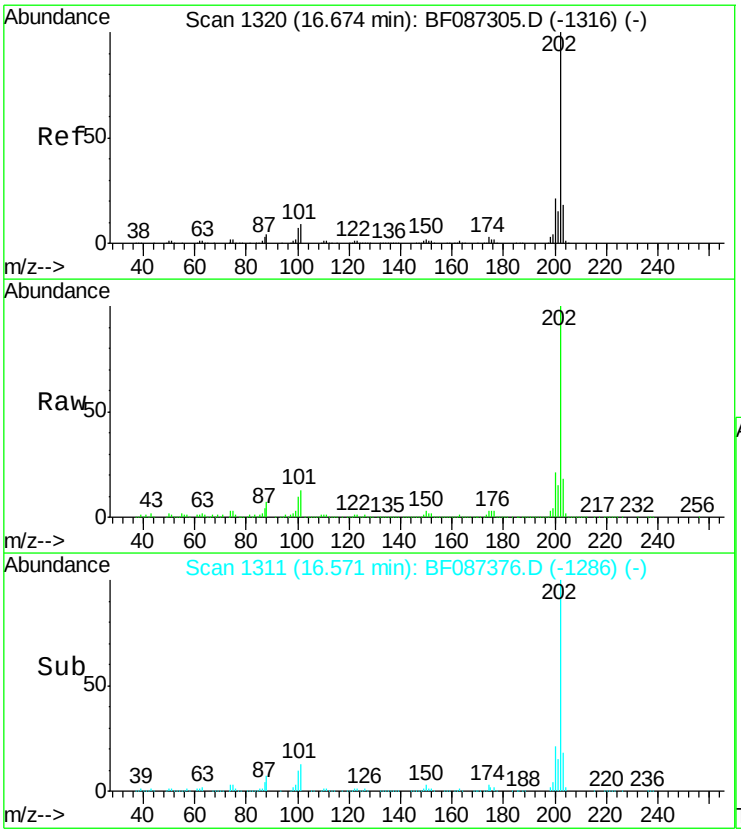
#72
Carbazole
Concen: 2.23 ng
RT: 15.19 min Scan# 1190
Delta R.T. 0.00 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Instrument :
BNA_F
ClientSampleId :
E-4(12.5-13)

Tgt Ion:167 Resp: 30825

Ion	Ratio	Lower	Upper
167	100		
166	25.6	17.7	26.5
139	19.2	10.8	16.2#

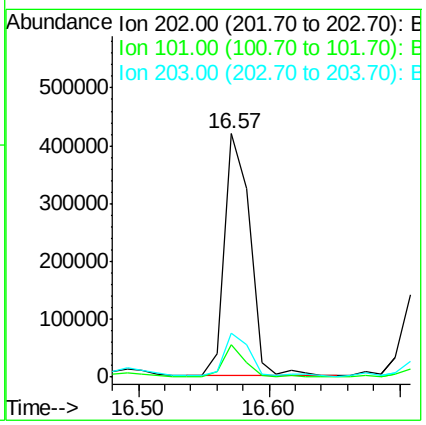


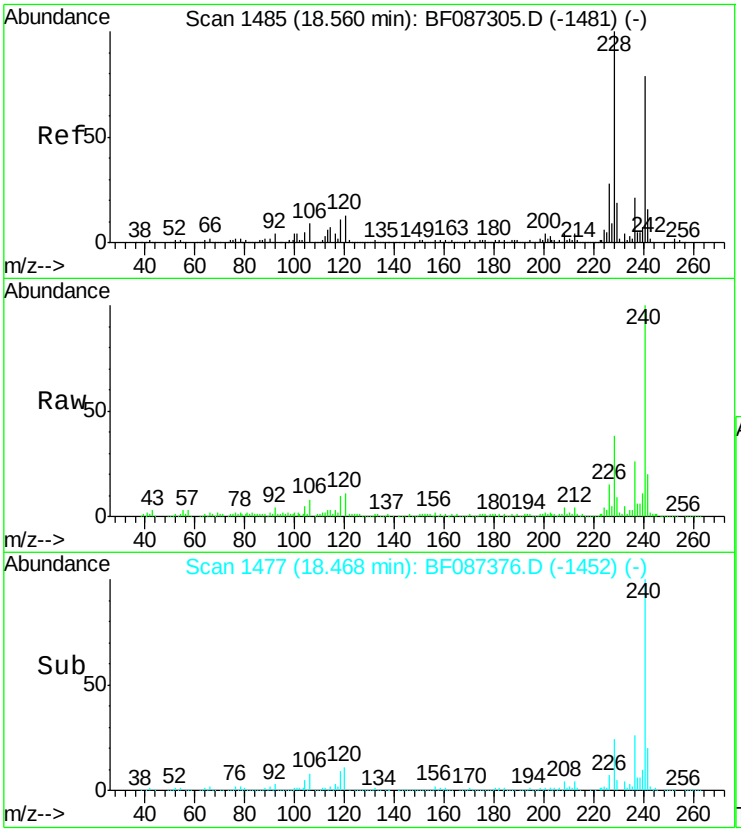


#74
Fluoranthene
Concen: 35.25 ng
RT: 16.57 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Tgt Ion:202 Resp: 567699

Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	35.4
203	18.0	0.0	38.1



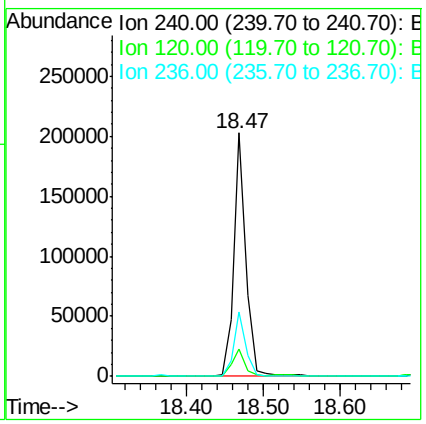


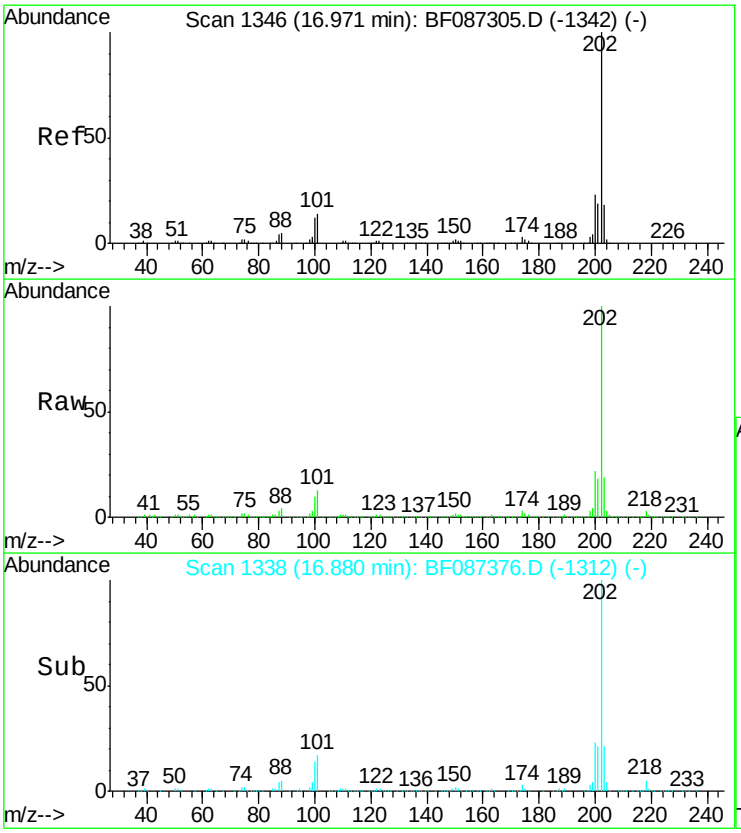
#75
Chrysene-d12
Concen: 20.00 ng
RT: 18.47 min Scan# 1477
Delta R.T. -0.01 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Instrument :
BNA_F
ClientSampleId :
E-4(12.5-13)

Tgt Ion:240 Resp: 225141

Ion	Ratio	Lower	Upper
240	100		
120	11.4	11.2	16.8
236	26.3	21.2	31.8

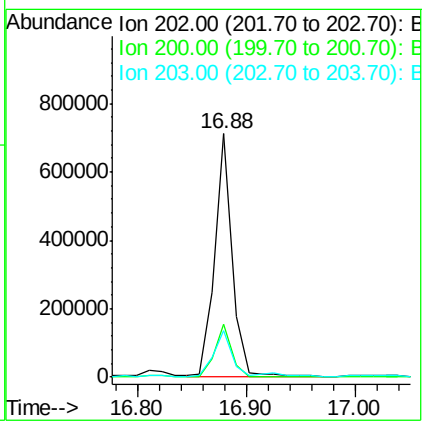


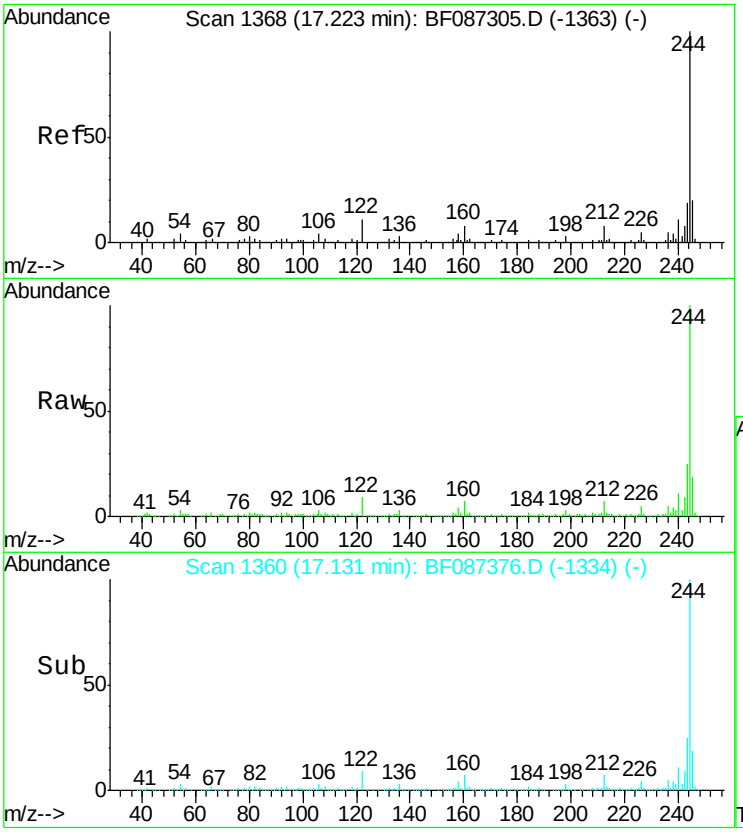


#77
Pyrene
Concen: 49.44 ng
RT: 16.88 min Scan# 1338
Delta R.T. 0.00 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Tgt Ion:202 Resp: 801248

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.7	26.5
203	19.1	14.2	21.4



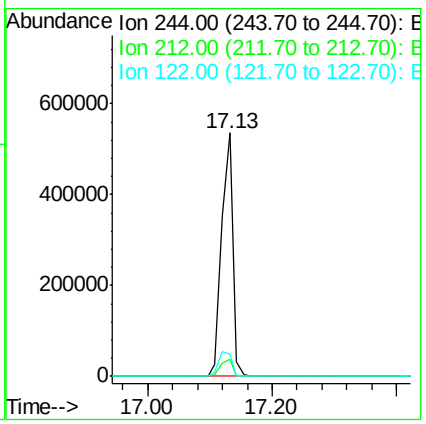


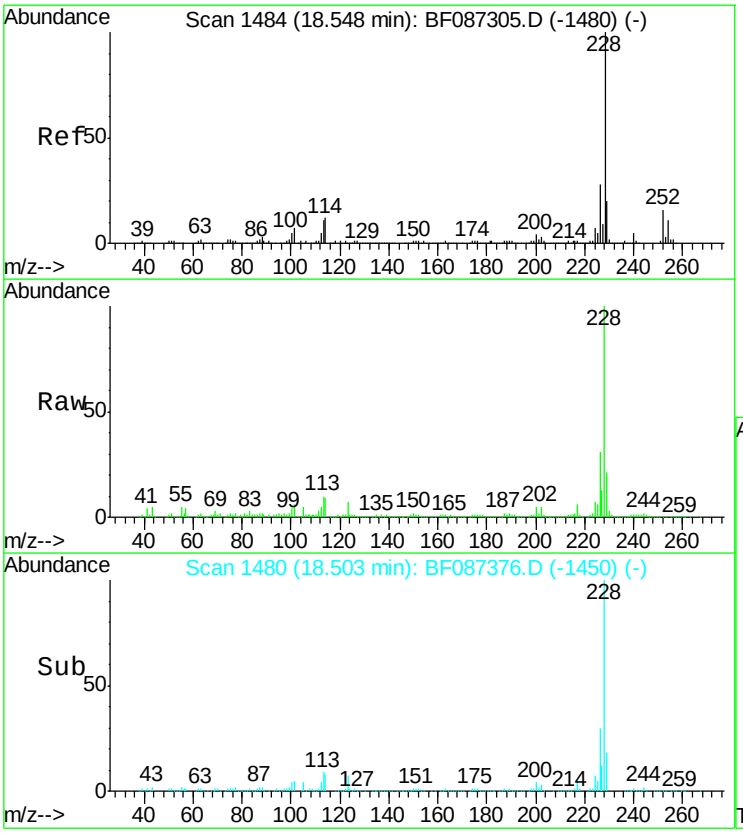
#78
Terphenyl-d14
Concen: 62.30 ng
RT: 17.13 min Scan# 1360
Delta R.T. 0.00 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Instrument :
BNA_F
ClientSampleId :
E-4(12.5-13)

Tgt Ion:244 Resp: 659726

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.2	9.2
122	8.9	12.0	18.0#

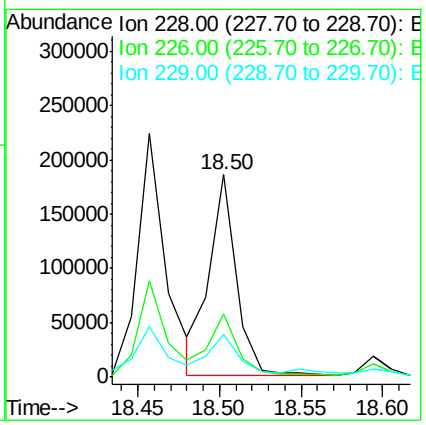


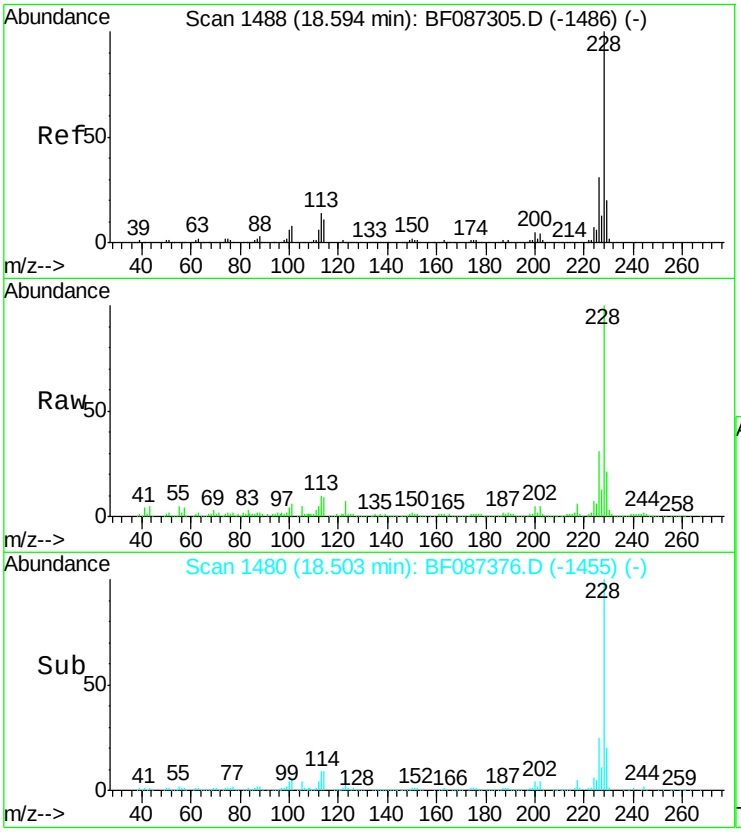


#80
Benzo(a)anthracene
Concen: 16.67 ng
RT: 18.50 min Scan# 1480
Delta R.T. 0.05 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Tgt Ion:228 Resp: 213525

Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.5	33.7
229	21.2	16.6	25.0



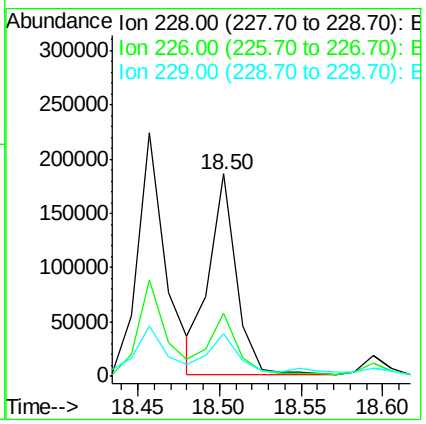


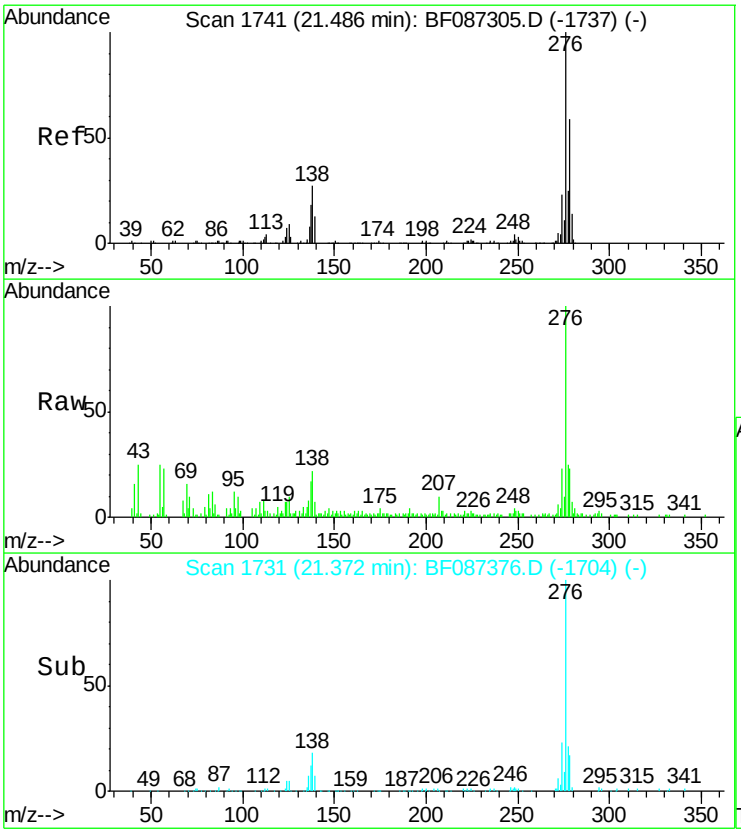
#82
Chrysene
Concen: 16.80 ng
RT: 18.50 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Instrument :
BNA_F
ClientSampleId :
E-4(12.5-13)

Tgt Ion:228 Resp: 213525

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.4	36.6
229	21.2	15.8	23.8

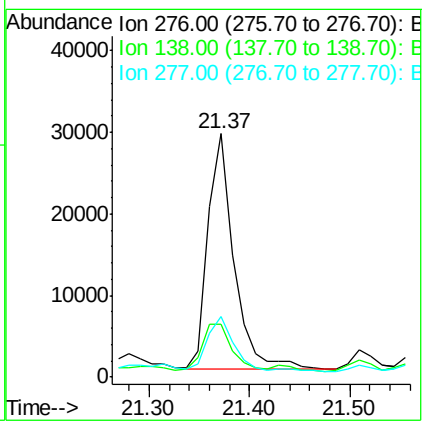


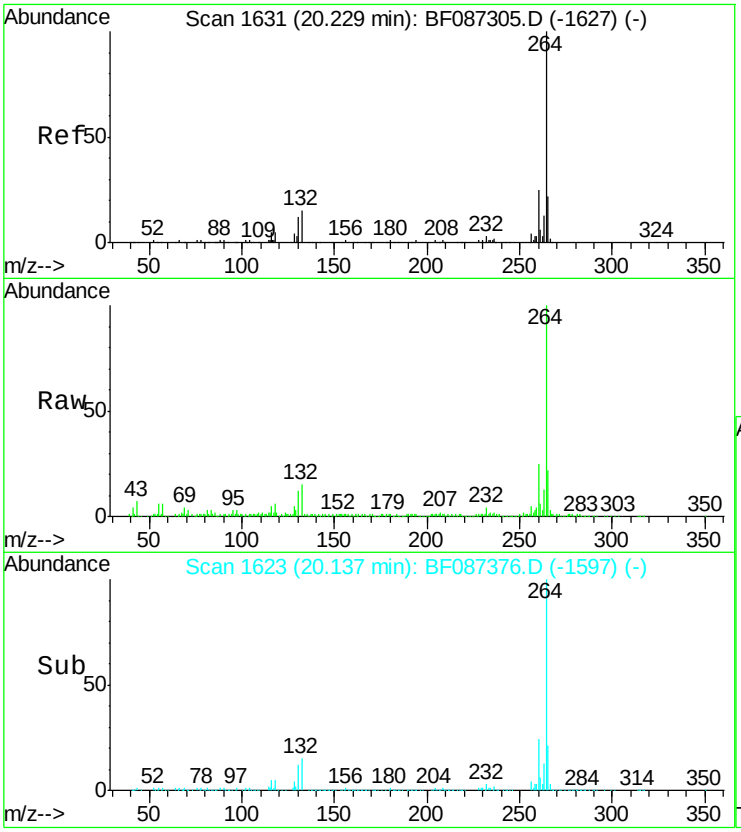


#85
Indeno(1,2,3-cd)pyrene
Concen: 5.11 ng
RT: 21.37 min Scan# 1731
Delta R.T. 0.01 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Tgt Ion:276 Resp: 52107

Ion	Ratio	Lower	Upper
276	100		
138	22.7	25.6	38.4#
277	24.6	20.5	30.7



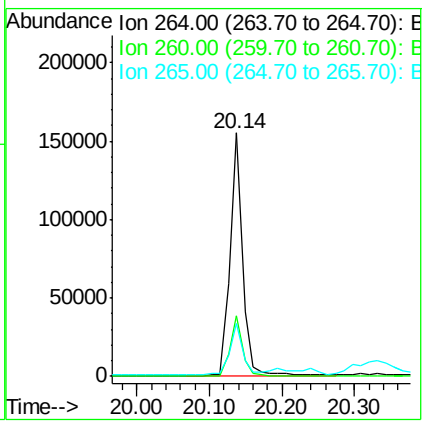


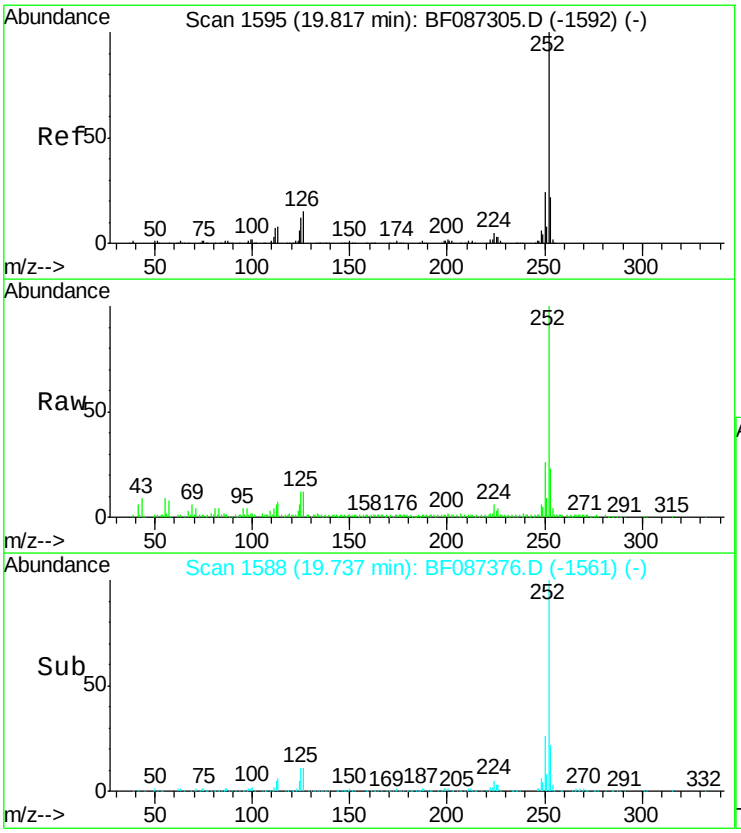
#86
Perylene-d12
Concen: 20.00 ng
RT: 20.14 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Instrument :
BNA_F
ClientSampleId :
E-4(12.5-13)

Tgt Ion:264 Resp: 186202

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	21.8	17.3	25.9

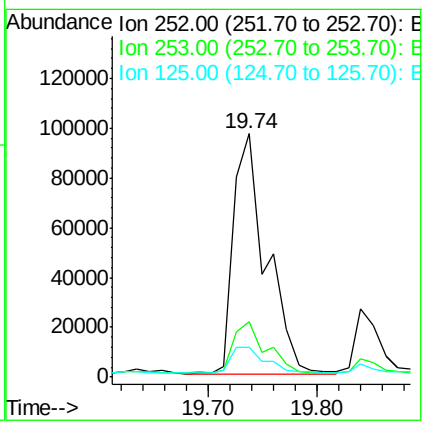


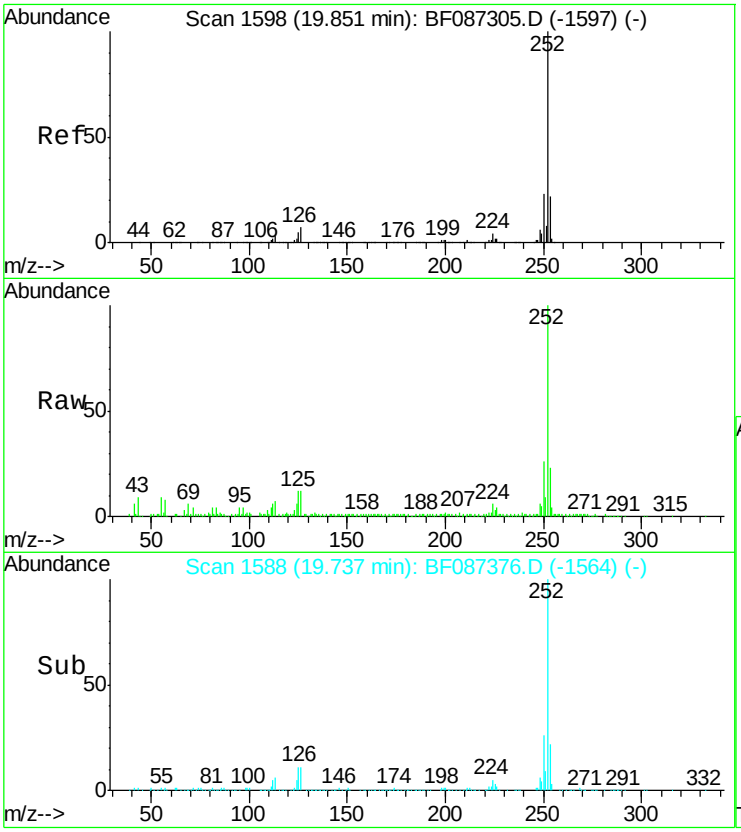


#87
Benzo(b)fluoranthene
Concen: 16.95 ng
RT: 19.74 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Tgt Ion:252 Resp: 201066

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	12.2	11.4	17.0



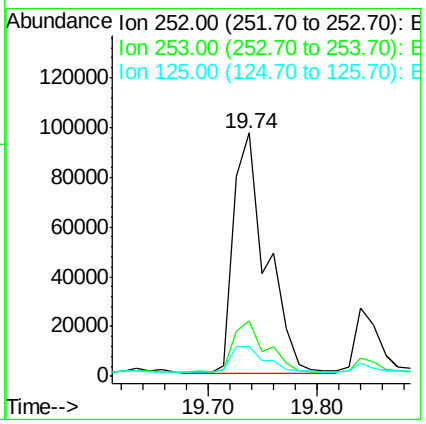


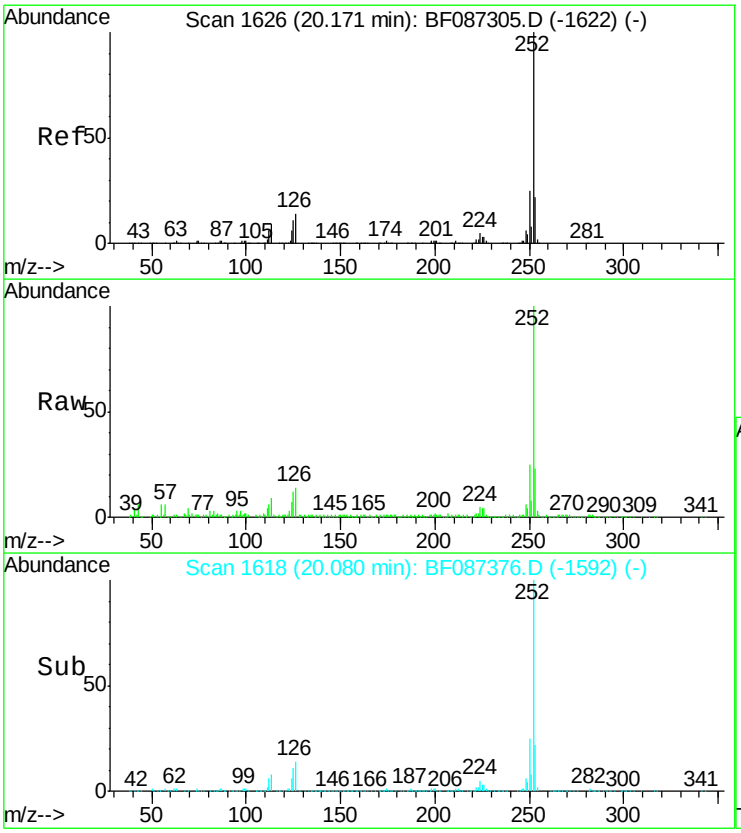
#88
Benzo(k)fluoranthene
Concen: 19.69 ng
RT: 19.74 min Scan# 1588
Delta R.T. -0.02 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Instrument :
BNA_F
ClientSampleId :
E-4(12.5-13)

Tgt Ion:252 Resp: 201066

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	12.2	9.1	13.7

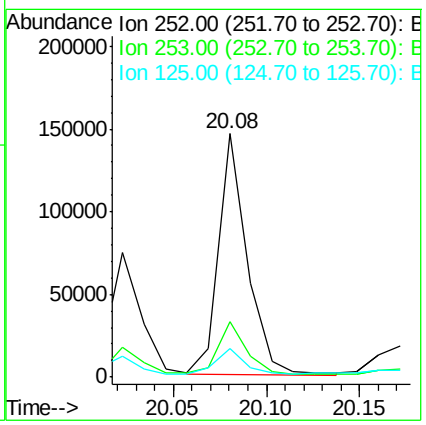


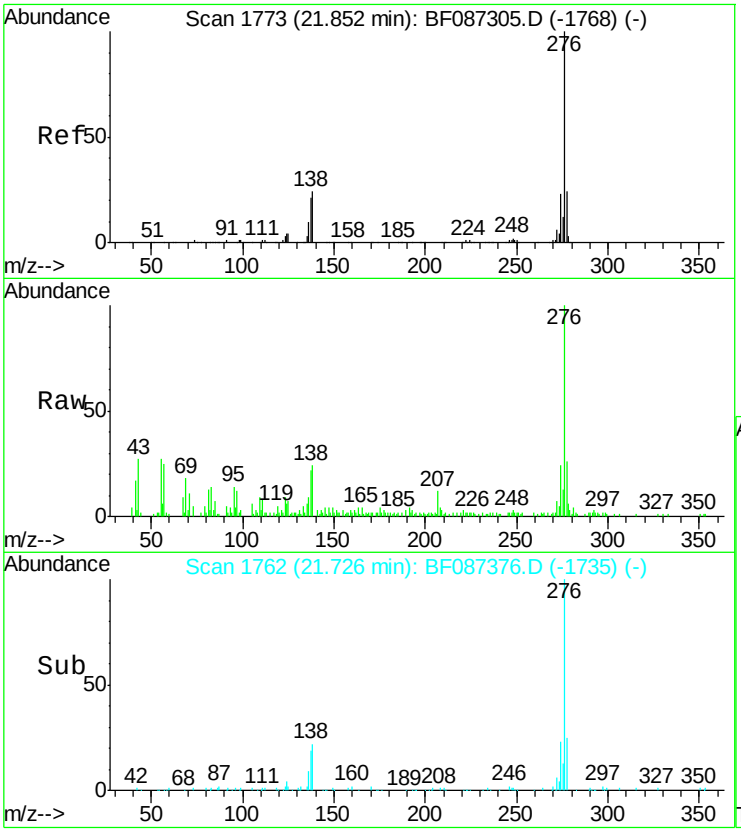


#89
Benzo(a)pyrene
Concen: 15.38 ng
RT: 20.08 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Tgt Ion:252 Resp: 157777

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	12.0	9.0	13.6





#91
Benzo(g,h,i)perylene
Concen: 6.35 ng
RT: 21.73 min Scan# 1762
Delta R.T. 0.01 min
Lab File: BF087376.D
Acq: 25 May 2016 17:18

Instrument :
BNA_F
ClientSampleId :
E-4(12.5-13)

Tgt Ion:276 Resp: 54797

Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.6	29.4
138	24.0	23.6	35.4